Bachelor of Arts (B.A.)

Program Outcome

- a. Inculcation of human values.
- b. Sense of social service.
- c. Sense of Responsibility and duty
- d. Critical temper and attitude
- e. Creative ability

Program Specific Outcomes (PSO's)

- a. Creation of interest in subject chosen
- b. Development of knowledge of the subject chosen.
- c. Development of employability skills relating to the subject chosen
- d. Development of personal skills such as explication, understanding, objective analysis, reading, writing, speaking and listening skills

B.A. (Punjabi)

ਕੋਰਸ ਦਾ ਨਾਮ: ਚੋਣਵੀ ਪੰਜਾਬੀ

ਕਲਾਸ: ਬੀ.ਏ. ਸਮੈਸਟਰ: ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਸੁਖਨ ਦੇ ਸੂਰਜ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ- ਸੰਗ੍ਰਹਿ ਦੇ ਕਵੀਆ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।ਉਨ੍ਹਾਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਬਾਰੇ ਪਸ਼੍ਰੰਗ ਸਾਹਿਤ ਵਿਆਖਿਆ ਕਰਨੀ। ਸਿਮਟਦਾ ਆਕਾਸ਼ ਨਾਵਲ ਦੇ ਵਿਸ਼ੇ ਪਾਤਰਾਂ ਬਾਰੇ ਦੱਸਣਾ। ਧੁਨੀ ਸੰਪਰਦਾ ਰਸ ਸੰਪਰਦਾ ਦੇ ਨਾਲ-ਨਾਲ ਬਾਕੀ ਰਸਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਵਿਚ ਪੰਜਾਬੀ ਕਵੀਆਂ ਬਾਰੇ ਜਾਨਣਗੇ।ਵਿਦਿਆਰਥੀ ਸਲੇਬਸ ਤੋਂ ਬਾਹਰ ਉਨ੍ਹਾਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਰੱਖਣਗੇ।ਸਿਮਟਦਾ ਅਕਾਸ਼ ਨਾਵਲ ਪੜਣ ਲਈ ਸਮਾਜ ਵਿੱਚ ਨਸ਼ੇ ਬਾਰੇ ਜਾਗਰੁਕਤਾ ਵਧੇਗੀ।

ਬੋਧਿਕ ਹੁਨਰ:

ਵਿਦਿਆਰਥੀ ਕਵੀਆਂ ਬਾਰੇ ਪੜ੍ਹ ਕੇ ਸਮਾਜ ਪ੍ਰਤੀ ਸੰਵੇਦਨਸ਼ੀਲ ਹੋਣਗੇ।ਨਾਵਲ ਵਿੱਚ ਨਸ਼ਿਆਂ ਬਾਰੇ ਪੜ੍ਹ ਕੇ ਇਸ ਅਲਾਮਤ ਤੋ ਦੂਰ ਰਹਿਣਗੇ ਅਤੇ ਨੌਜਵਾਨਾਂ ਨੂੰ ਦੂਰ ਰੱਖਣ ਦਾ ਯਤਨ ਕਰਣਗੇ।

ਅਮਲੀ ਹੁਨਰ:

ਕਵੀਆਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਨੂੰ ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋ ਹੀ ਪੜਾਇਆ ਜਾਵੇਗਾ ਤੇ ਕਵਿਤਾਵਾਂ ਵਾਂਗ ਪੜ੍ਹਣ ਲਈ ਦੱਸਿਆ ਜਾਵੇਗਾ ਨਾਵਲ ਨੂੰ ਪਾਤਰਾਂ ਵੱਚ ਵੰਡ ਕੇ ਪੜ੍ਹਿਆ ਜਾਵੇਗਾ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਨਸ਼ੇ ਨੂੰ ਸਮਾਜ ਵਿੱਚ ਫੈਲਣ ਤੋਂ ਲੋਕਾਂ ਨੂੰ ਰੋਕਣ ਲਈ ਲਾਮਬੱਧ ਕੀਤਾ ਜਾਵੇਗਾ।ਕਵਿਤਾਵਾਂ ਦੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਸੋਚਣ ਤੇ ਅਮਲ ਕਰਨ ਲਈ ਯਤਨ ਕੀਤੇ ਜਾਣਗੇ। ਕੋਰਸ ਦਾ ਨਾਮ: ਚੋਣਵੀਂ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ : ਬੀ.ਏ. ਸਮੈਸਟਰ : ਦੂਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼:- ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਤੇ ਸਾਹਿਤ ਸਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸਿਕ ਪਰਿਖੇਪ ਦੀ ਗੱਲ ਕਰਦਿਆਂ ਸਾਹਿਤਿਕ ਵਿਧਾਵਾਂ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜੋੜਨਾ। ਪੰਜਾਬੀ ਕੋਸ਼ਕਾਰੀ ਤੇ ਵਿਆਕਰਣ ਨੂੰ ਪਰਿਭਾਸ਼ਿਤ ਕਰਦਿਆਂ ਸ਼ਬਦਾਂ ਦੇ ਅਰਥਾਂ ਤੇ ਭਾਸ਼ਾ ਦੇ ਨੇਮਾਂ ਤੋਂ ਜਾਣੂ ਕਰਾਉਣਾ। ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਗਰੁਕ ਕਰਨਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:-

- ਇਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦਾ ਅਧਿਅਨ ਤੇ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- 'ਮੰਚ ਘਰ' ਪੁਸਤਕ ਨੂੰ ਪੜ੍ਹਦਿਆਂ ਵਿਦਿਆਰਥੀ ਰੰਗ-ਮੰਚ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਦੇ ਹੋਏ ਆਪਣੇ ਅੰਦਰ ਕਲਾਕਾਰੀ ਹੁਨਰ ਨੂੰ ਜਾਣ ਸਕਣਗੇ।
- ਅਜੋਕੇ ਸਮੇਂ ਵਿਚ ਕੋਸ਼ ਦਾ ਮਹੱਤਵ ਬਹੁਤ ਹੀ ਜਿਆਦਾ ਹੈ, ਵਿਦਿਆਰਥੀ ਇਸ ਦੀ ਕਾਰਜਾਤਮਕਤਾ ਅਤੇ ਪ੍ਰਸੰਗਿਕਤਾ ਨੂੰ ਸਮਝਦੇ ਹੋਏ ਸ਼ਬਦਾਂ ਸਬੰਧੀ ਵਿਸਤ੍ਰਿਤ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰ ਸਕਣਗੇ।

ਪਰਚਾ: ਚੋਣਵੀਂ ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਤੀਜਾ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਵਿਚ ਪੰਜਾਬੀ ਕਵੀਆਂ ਬਾਰੇ ਜਾਨਣਗੇ।ਵਿਦਿਆਰਥੀ ਸਲੇਬਸ ਤੋਂ ਬਾਹਰ ਉਨ੍ਹਾਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਰੱਖਣਗੇ।ਸਿਮਟਦਾ ਅਕਾਸ਼ ਨਾਵਲ ਪੜਣ ਲਈ ਸਮਾਜ ਵਿੱਚ ਨਸ਼ੇ ਬਾਰੇ ਜਾਗਰੁਕਤਾ ਵਧੇਗੀ।

ਬੋਧਿਕ ਹੁਨਰ:

ਵਿਦਿਆਰਥੀ ਕਵੀਆਂ ਬਾਰੇ ਪੜ੍ਹ ਕੇ ਸਮਾਜ ਪ੍ਰਤੀ ਸੰਵੇਦਨਸ਼ੀਲ ਹੋਣਗੇ।ਨਾਵਲ ਵਿੱਚ ਨਸ਼ਿਆਂ ਬਾਰੇ ਪੜ੍ਹ ਕੇ ਇਸ ਅਲਾਮਤ ਤੋਂ ਦੂਰ ਰਹਿਣਗੇ ਅਤੇ ਨੌਜਵਾਨਾਂ ਨੂੰ ਦੂਰ ਰੱਖਣ ਦਾ ਯਤਨ ਕਰਣਗੇ।

ਅਮਲੀ ਹੁਨਰ:

ਕਵੀਆਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਨੂੰ ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋ ਹੀ ਪੜਾਇਆ ਜਾਵੇਗਾ ਤੇ ਕਵਿਤਾਵਾਂ ਵਾਂਗ ਪੜ੍ਹਣ ਲਈ ਦੱਸਿਆ ਜਾਵੇਗਾ ਨਾਵਲ ਨੂੰ ਪਾਤਰਾਂ ਵੱਚ ਵੰਡ ਕੇ ਪੜ੍ਹਿਆ ਜਾਵੇਗਾ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਨਸ਼ੇ ਨੂੰ ਸਮਾਜ ਵਿੱਚ ਫੈਲਣ ਤੋਂ ਲੋਕਾਂ ਨੂੰ ਰੋਕਣ ਲਈ ਲਾਮਬੱਧ ਕੀਤਾ ਜਾਵੇਗਾ।ਕਵਿਤਾਵਾਂ ਦੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਸੋਚਣ ਤੇ ਅਮਲ ਕਰਨ ਲਈ ਯਤਨ ਕੀਤੇ ਜਾਣਗੇ। ਪਰਚਾ: ਚੋਣਵੀਂ ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।ਵਿਦਿਆਰਥੀ ਸਲੇਬਸ ਤੋਂ ਇਲਾਵਾ ਹੋਰ ਸਾਹਿਤਕਾਰਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪਰਾਪਤ ਕਰਨਗੇ।ਇਸ ਤੋਨ ਇਲਾਵਾ ਸਾਹਿਤ ਦੇ ਰੂਪਾਂ ਬਾਰੇ ਵਿਦਿਉਾਰਥੀ ਜਾਣਕਾਰੀ ਪਰਾਪਤ ਕਰ ਸਕਣਗੇ ।

ਬੋਧਿਕ ਹੁਨਚ:

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਪੜ੍ਹ ਕੇ ਸਾਹਿਤ ਉਤੇ ਸਮਾਜ ਪ੍ਰਤੀ ਸੰਵੇਦਨਸ਼ੀਲ ਹੋਣਗੇ।ਵਿਦਿਉਾਰਥ ਸਾਹਿਤ ਦੀਉਾ ਪਰਵਿਰਤਉਿ ਉਤੇ ਸਾਹਿਤ ਦੇ ਰੂਪਾਂ ਬਾਰੇ ਉਦਿਐਨ ਕਰਨਗੇ।

ਅਮਲੀ ਹੁਨਰ:

ਸ਼ਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋ ਹੀ ਪੜਾਇਆ ਜਾਵੇਗਾ ਤੇ ਸਮੁੱਚੇ ਸਾਹਿਤ ਰੁਪਾਂ ਬਾਰੇ ਦੱਸਿਆ ਜਾਵੇਗਾ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ ਅਤੇ ਸਾਹਿਤ ਰੁਪਾ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣੂ ਹੋਣ ਲਈ ਲਾਮਬੱਧ ਕੀਤਾ ਜਾਵੇਗਾ।ਸਾਹਿਤ ਦੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਸੋਚਣ ਤੇ ਅਮਲ ਕਰਨ ਲਈ ਯਤਨ ਕੀਤੇ ਜਾਣਗੇ। <mark>ਕੋਰਸ ਦਾ ਨਾਮ</mark>:ਚੋਣਵੀਂ ਪੰਜਾਬੀ

ਕਲਾਸ: ਬੀ.ਏ ਸਮੈਸਟਰ:ਪੰਜਵਾਂ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼:

1.ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕਾਵਿ ਸੰਗ੍ਰਹਿ(1700 ਤੱਲ) ਪੁਸਤਕ ਵਿਚ ਦਰਜ ਕਵਿਤਾਵਾਂ ਅਤੇ ਕਵੀਆਂ ਸੰਬੰਧੀ ਭਰਪੁਰ ਗਿਆਨ ਪ੍ਰਦਾਨ ਕਰਨਾ ਹੈ।

2.ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਸਿਲੇਬਸ ਵਿਚ ਸ਼ਾਮਿਲ ਵਾਰਤਕ ਦੀ ਮੁਸਤਕ ਜ਼ਿੰਦਗੀ ਦੀ ਰਾਸ(ਲੇਖ਼ਕ ਗੁਰਬਖਸ਼ਸਿੰਘ ਪ੍ਰੀਤਲੜੀ) ਵਿਚ ਦਰਜ ਲੇਖਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨ ਦੇ ਨਾਲ-ਨਾਲ ਲੇਖਕ ਦੇ ਦਰਸ਼ਨ ਬਾਰੇ ਰੌਸ਼ਨੀ ਪਾਉਣਾ ਹੈ।

3.ਇਸ ਲੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਨਾਟਕ ਅਤੇ ਪੰਜਾਬੀ ਨਾਟਕ ਬਾਰੇ ਸੰਖੇਪ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਦੇ ਹੋਏ ਪਾਲੀ ਭੁਪਿੰਦਰ ਦੇ ਨਾਟਕ ਚੰਦਨ ਦੇ ਓਹਲੇ ਨਾਲ ਰੂਬਰੂ

ਕਰਵਾਉਣਾ ਹੈ।

Course outcomes:

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਕਵਿਤਾ (1700 ਤੱਕ) ਅਤੇ ਕਵੀਆਂ ਬਾਰੇ ਭਰਪੂਰ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰ ਲੈਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਨਾਟਕ ਚੰਦਨ ਦੇ ਉਹਲੇ ਨੂੰ ਸਮਝਣ ਦੇ ਕਾਬਲ ਹੋ ਜਾਣਗੇ।
- 4. ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਪੰਜਾਬੀ ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਅਤੇ ਚਿੰਤਨ ਦੀ ਕਲਾ ਦਾ ਵਿਕਾਸ ਹੋਵੇਗਾ।

ਬੈਧਿਕ ਹੁਨਰ:

- 1. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਰੂਪ ਕਵਿਤਾ(1700 ਤੱਕ) ਨੂੰ ਸਮਝ ਅਤੇ ਚਿੰਤਨ ਦੇ ਯੋਗ ਹੋ ਜਾਣਗੇ।
- 2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੀ ਮੁਸਤਕ ਜ਼ਿੰਦਗੀ ਦੀ ਰਾਸ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋ ਜਾਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਨਾਟਕ ਚੰਦਨ ਦੇ ਓਹਲੇ ਦੇ ਦਰਸ਼ਨ ਨੂੰ ਸਮਝਣ ਅਤੇ ਉਸਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਣਗੇ।

ਵਿਹਾਰਕ ਹੁਨਰ(Practical skill):

 ਕੋਰਸ ਦੇ ਸਿਲੇਬਸ ਵਿਚ ਦਰਜ ਕਵਿਤਾਵਾਂ , ਵਾਰਤਕ, ਨਾਟਕ ਨੂੰ ਲੈਕਚਰ ਅਤੇ ਵਿਚਾਰ ਚਰਚਾ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।

- 2. ਸਾਹਿਤ ਪੜ੍ਹਨ ਅਤੇ ਚਿੰਤਨ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- 4. ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਅਧਿਐਨ ਵਿਚ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

- 1. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਰੂਪ ਕਵਿਤਾ (1700 ਤੱਕ), ਵਾਰਤਕ(ਜ਼ਿੰਦਗੀ ਦੀ ਰਾਸ), ਨਾਟਕ(ਚੰਦਨ ਦੇ ਓਹਲੇ) ਨੂੰ ਸਮਝਣ ਅਤੇ ਚਿੰਤਨ ਦੇ ਯੋਗ ਹੋ ਜਾਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਨ ਅਤੇ ਚੰਤਨ ਦੀਆਂ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 2. ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿਚ ਖੋਜ ਕਰਨ ਲਈ ਆਕਸ਼ਿਤਹੋਣਗੇ।

ਪਰਚਾ: ਚੋਣਵੀਂ ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਛੇਵਾਂ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।ਵਿਦਿਆਰਥੀ ਸਲੇਬਸ ਤੋਂ ਇਲਾਵਾ ਹੋਰ ਸਾਹਿਤਕਾਰਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪਰਾਪਤ ਕਰਨਗੇ।ਇਸ ਤੋਨ ਇਲਾਵਾ ਸਾਹਿਤ ਦੇ ਰੂਪਾਂ ਬਾਰੇ ਵਿਦਿਉਾਰਥੀ ਜਾਣਕਾਰੀ ਪਰਾਪਤ ਕਰ ਸਕਣਗੇ ।

ਬੋਧਿਕ ਹੁਨਰ:

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਪੜ੍ਹ ਕੇ ਸਾਹਿਤ ੳਤੇ ਸਮਾਜ ਪ੍ਰਤੀ ਸੰਵੇਦਨਸ਼ੀਲ ਹੋਣਗੇ।ਵਿਦਿੳਾਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਪਰਵਿਰਤੀਆਂ ਅਤੇ ਛੰਦਾਂ ਬਾਰੇ ਅਧਿਐਨ ਕਰਨਗੇ।

ਅਮਲੀ ਹੁਨਰ:

ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋ ਹੀ ਪੜਾਇਆ ਜਾਵੇਗਾ ਤੇ ਸਮੁੱਚੇ ਸਾਹਿਤ ਰੁਪਾਂ ਬਾਰੇ ਦੱਸਿਆ ਜਾਵੇਗਾ।ਇਸ ਤੋਂ ਇਲਾਵਾ ਸਾਹਿਤਕ ਰੁਪਾਂ ਅਤੇ ਵਿਹਾਰਕ ਅਲੋਚਨਾਂ ਬਾਰੇ ਪੜ੍ਹਾਇਆ ਜਾਵੇਗਾ ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ ਅਤੇ ਸਾਹਿਤ ਰੁਪਾ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣੂ ਹੋਣ ਲਈ ਲਾਮਬੱਧ ਕੀਤਾ ਜਾਵੇਗਾ।ਸਾਹਿਤ ਦੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਸੋਚਣ ਤੇ ਅਮਲ ਕਰਨ ਲਈ ਯਤਨ ਕੀਤੇ ਜਾਣਗੇ। ਇਸ ਦੇ ਨਾਲ ਹੀ ਸਾਹਿਤ ਰੂਪਓ ਨਾਟਕ, ਜੀਵਨੀ, ਸਵੈਜੀਵਨੀ, ਸਫਰਨਾਮਾਂ ਦੇ ਤੱਤਾ ਤੇ ਪਰਿਭਾਸ਼ਾ ਬਾਰੇ ਸਮਝਾਇਆ ਜਾਵੇਗਾ ।

B.A. (English)

Course Name – General English

Programme: B.A. SEMESTER: Ist

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense \Box Be in the present tense \Box Singular/plural forms of regular nouns \Box Parts of speech

LITERATURE

Understand a basic paragraph \Box Scan for specific words in a text \Box Know most sound-to-letter correspondences \Box Write sentences using a limited vocabulary \Box Write a paragraph using a limited vocabulary \Box Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding:

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- Digital copywriter
- Editorial assistant
- English as a foreign language teacher
- Lexicographer
- Magazine journalist
- Newspaper journalist
- Publishing copy-editor/proofreader
- Secondary school teacher

- Web content manager
- Writer

Transferable Skills :

- Setting schedules and working under deadline The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.
- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- Taking constructive criticism or "agreeing to disagree Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a

classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.

• **Grammar and spelling** - Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

Course Name – General English

Programme: B.A. SEMESTER: IInd

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense \Box Be in the present tense \Box Singular/plural forms of regular nouns \Box Parts of speech

LITERATURE

Understand a basic paragraph \Box Scan for specific words in a text \Box Know most sound-to-letter correspondences \Box Write sentences using a limited vocabulary \Box Write a paragraph using a limited vocabulary \Box Copy a paragraph correctly

Course Outcomes :

Knowledge and Understanding :

Knowledge of major literary works, genres and critical traditions Understand and empathize with other cultures and people through exploring their literary traditions

• Knowledge of linguistic, literary, cultural contexts in which literature is written and read

- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual . Cognitive / Analytical Skills :

- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research
- Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

• Digital copywriter

- Editorial assistant
- English as a foreign language teacher
- Lexicographer
- Magazine journalist
- Newspaper journalist
- Publishing copy-editor/proofreader
- Secondary school teacher
- Web content manager
- Writer

<u>**Transferable Skills :**</u>

- Setting schedules and working under deadline The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.
- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a

book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively - skills that will serve them well for any workplace presentation or project.

- Taking constructive criticism or "agreeing to disagree Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

Course Name – General English

Programme: B.A. SEMESTER: IIIrd

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) Intellectual Cognitive /Analytical skills: Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.

- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

Course Name – General English

Programme: B.A. SEMESTER: IVth

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

- a) Knowledge and Understanding: The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) Intellectual Cognitive /Analytical skills: Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.

d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

Course Name – General English

Programme: B.A. SEMESTER: Vth

Objective of the course:

- As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies
- The course also takes into objective the establishment of a close proximity of students with English literature and helping them appreciate various facets of literary genres with special deliberations on poetry

- A. **Knowledge and Understanding:** Comprehending and appreciating literature in the pure textual form subsequently ensuring an acquaintance with English drama and its various devices
- B. **Intellectual Cognitive /Analytical skills:** Learning numerous literary techniques as put forth through the curriculum and also developing general awareness on contemporary issues in target language
- C. **Practical skills :** Enhancing writing skills through skill-based questions on the same and gaining knowledge of technical writings such as technical, newspaper and finding reports along with other official documentations
- D. **Transferable skills:** Developing professional writing skills through resume building tasks and other professional write-ups

Course Name – General English

Programme: B.A. SEMESTER: VIth

Objective of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

- 1. Comprehending and appreciating literature in the pure textual form
- 2. Ensuring an acquaintance with English drama and its various devices
- 3. Learning numerous literary techniques as put forth through the curriculum
- 4. Enhancing writing skills through skill-based questions on the same
- 5. Developing general awareness on current issues in target language
- 6. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

B.A. (Political Science)

COURSE NAME: PRINCIPLES OF POLITICAL SCIENCEProgramme: B. A. Political ScienceSemester: I

Objectives of the Course:

The main objective of the present course is to present a systematic analysis of all the major dimensions of political theory. The study of the political theory is a window to understanding of political practice. The course will prepare students for a variety of careers or graduate and professional degree programs in fields such as law, government, education, politics, policy, and business.

Knowledge and Understanding

- The course seeks to give students an understanding the significance of political theory. Understanding of the institutions, processes, constitutional background, and policy outcomes.
- 2. Knowledge of key theories and concepts, historical developments, organizations, and modern issues in political theory.
- Understanding of government institutions, electoral processes, and policies in a variety of countries around the world and the ability to compare the effectiveness or impact of differing political arrangements across countries

Intellectual Cognitive/Analytical Skills

After the completion of the course the students will able to Identify and explain how the Evaluate and critically analyze the Indian political system with respect to theories related to constitutionalism Demonstrate critical thinking and writing skills related to constitutional development in India. *Students should have a basic knowledge of the political world, including the ideas, institutions, processes, and policies of India and selected other societies, as well as the history and organization of the international system.*

Practical Skills:

- 1. The students will able to discuss the most important political theorists in the western tradition and the ideas associated with them.
- 2. Describe basic political and governmental structures, processes, and policies in the in western and non-western countries.
- 3. Describe the history, structure and operation of the political theory.
- 4. Identify the principal arguments for and against alternative forms of government

Transferable Skills:

The course will enable students to – Develop a capacity to critically analyse public policies. Understand the pattern of institutional management in India. Have competence in visualising alternative policy perspective. Develop a capacity to assess objectively the outputs of political systems. Enhance oral and written communication skills.

COURSE NAME: MODERN POLITICAL THEORY

Programme: B. A. Political Science Semester: II

Objectives of the Course:

The main objective of the present course is to present a systematic analysis of all the major dimensions of political theory. The study of the political theory is a window to understanding of political practice. The course will prepare students for a variety of careers or graduate and professional degree programs in fields such as law, government, education, politics, policy, and business.

Knowledge and Understanding

- 1. The students will develop a deeper understanding of the institutions, politics, processes and services of state and local governments by understanding fundamental principles of political science.
- 2. Knowledge of some of the philosophical underpinnings of modern politics and government and the legal principles by which political disputes are often settled

3. Ability to use the comparative case study method of analysis, quantitative forms of analysis, and legal analysis in oral communication and in written research

Intellectual Cognitive/Analytical Skills

After the completion of the course the students will able to Identify and explain how the Evaluate and critically analyze the Indian political system with respect to theories related to constitutionalism Demonstrate critical thinking and writing skills related to constitutional development in India. *Students should have a basic knowledge of the political world, including the ideas, institutions, processes, and policies of India and selected other societies, as well as the history and organization of the international system.*

Practical Skills:

- 5. The students will able to discuss the most important political theorists in the western tradition and the ideas associated with them.
- 6. Describe basic political and governmental structures, processes, and policies in the in western and non-western countries.
- 7. Describe the history, structure and operation of the political theory.
- 8. Identify the principal arguments for and against alternative forms of government

Transferable Skills:

- 1. Distinction between normative and empirical theories.
- 2. Explain the role of political ideas, value conflicts, and ideology in human societies.
- 3. Evaluate alternative political ideas and ideologies.
- 4. Explain the structural context within which politics takes place, including the role of the economy, society, and culture, and conflicts over and within those domains.

COURSE NAME: INDIAN CONSTITUTION

Programme: B. A. Political Science Semester: III

Objectives of the Course:

The main objective of the present course is to present a systematic analysis of all the major dimensions of Indian constitution. The study of the Indian constitution is a window to understanding of political practice. The course will about the way Indian constitution shapes institutions in India. This course is primarily about legal provisions and technical details of Indian political system.

Knowledge and Understanding

The course seeks to give students an understanding the significance of constitutional set up in the Indian federalist system. The students will develop a deeper understanding of the institutions, politics, processes and services of state and local governments by understanding the constitution of India.

Intellectual Cognitive/Analytical Skills

After the completion of the course the students will able to Identify and explain how the constitutional set up effects the different political institutions in India. Evaluate and critically analyze the Indian political system with respect to theories related to constitutionalism Demonstrate critical thinking and writing skills related to constitutional development in India.

Practical Skills:

The course will enable students to rich discursive thought and operational experience on Selfgovernment and Community development at local levels. Help students to identify the resources and obstacles in building self-governing communities. Impart skills and Capacities to students to build effective local institutions To enable students to involve and relate to the mechanisms of self governing institutions. To enable students to understand the issues and problems confronting development administration .To enable the students to grasp the linkages between society, politics and administration in the context of development in India.

Transferable Skills:

The course will enable students to – Develop a capacity to critically analyse public policies. Understand the pattern of institutional management in India. Have competence in visualising alternative policy perspective. To introduce students to the basic concepts and categories of politics .To enable students to grasp and compare the working of political systems. Have clarity in understanding of the political processes in different countries. Identify and distinguish the functioning of various political systems. Develop a capacity to assess objectively the outputs of political systems. Enhance oral and written communication skills.

COURSE NAME: INDIAN POLITICAL SYSTEM

Programme: B. A. Political Science Semester: IV

Objectives of the Course:

The main objective of the present course is to present a systematic analysis of all the major dimensions of Indian Political System. The study of the Indian political system is a window to understanding politics in society. The course will about the way Indian political system has been working and the way it shapes institutions India. This course is not about legal provisions and technical details of in Indian constitution. It is about how institutions are shaped through interaction with actual politics. The course will introduce the idea of political system and the account of the making and working of constitutional institutions. This course responds to the curiosity about why a particular arrangement in the constitution was adopted and why not some other, how the institutions grow in the company of actual politics.

Knowledge and Understanding

The course seeks to give students an understanding the significance and the role of state and local governments in the Indian federalist system. Be able to apply the comparative method of analysis to state and local government research .Develop a deeper understanding of the institutions, politics, processes and services of state and local governments. Understand the issues that drive contemporary research in political science and analyze current political situations. Critical evaluation of social, economic and political variables for a proper understanding of the plurality of Indian society

Intellectual Cognitive/Analytical Skills

After the completion of the course the students will able to Identify and explain how electoral rules and procedures in the India affect election outcomes. Evaluate and critically analyze the Indian electoral system with respect to theories related to political representation. Compare and

contrast theories of voting behaviour. Relate historical developments to contemporary political issues, debates and outcomes related to campaigns and elections in the India. Demonstrate critical thinking and writing skills related to campaigns and elections in the India.

Practical Skills:

The course will enable students to rich discursive thought and operational experience on Selfgovernment and Community development at local levels. Help students to identify the resources and obstacles in building self-governing communities. Impart skills and Capacities to students to build effective local institutions To enable students to involve and relate to the mechanisms of self governing institutions. To enable students to understand the issues and problems confronting development administration .To enable the students to grasp the linkages between society, politics and administration in the context of development in India.

Transferable Skills:

The course will enable students to – Develop a capacity to critically analyse public policies. Understand the pattern of institutional management in India. Have competence in visualising alternative policy perspective. To introduce students to the basic concepts and categories of politics .To enable students to grasp and compare the working of political systems. Have clarity in understanding of the political processes in different countries. Identify and distinguish the functioning of various political systems. Develop a capacity to assess objectively the outputs of political systems. Enhance oral and written communication skills.

Course Name: COMPARATIVE POLITICAL SYSTEMS (UK & USA)

Class: B. A. Political Science Semester: V

Objectives of the course:

In traditional aspect, only comparative governments were studied, but later on with the advent of behavioral revolution comparative politics took the main thrust. Objective of the course is to bring a comparative analysis of various political systems. Two main political systems of the world has been taken into consideration i:e U.K., U.S.A. Parliament of U.K. has been termed as

the oldest and mother parliament of the world .In this system we see the simultaneous working of democracy, monarchy and aristocracy. USA presents a picture of best governed federal system and the most powerful country at present. A comparative study of these systems will enable the students to understand these totally different systems working in perfect manner. Although their organizational structure is different they have created their own niche in betterment of their people.

COURSE OUTCOMES:

A) Knowledge And Understanding

- Through comparative study of these political systems students will be able to analyze the structural differences as well working of these systems.
- They will have conceptual understanding of different type of terms like monarchy, republic, parliamentary democracy, aristocracy etc. they will be able to distinguish between different type of political systems of the world.

B) Intellectual cognitive/ analytical skills

- The paper offers a wide range of conceptual analysis and comparative study.
- A course of action can be chalked out as why a specific system is running smoothly while the other is not.
- Students will be able to analyze as how one organ of a particular political system is comparatively stronger or weaker as compared to other system and how it is effecting the working of that particular system.

C) Practical skills

- In the daily working of various political systems of the world students can practically analyze how they are working within the limits of constitutional frameworks.
- In daily affairs we can practically see how the states are trying to achieve their national interests.

• Students will be having a better understanding of international relations if they are having knowledge of their working structures.

D) Transferable skills

Students will be able to dispense knowledge in a better manner if they would be having conceptual clarity related to the paper. It will be quite helpful in preparing in abetter manner for competitive exams

Course Name: International Politics: Theory & Practice

Program: B. A. Political Science Semester: VI

Objectives of the course:

The course aims at acquainting the students with conceptual and practical aspects of international politics. From times immemorial there has been between kingdoms, states and empires. From the treaty of Westphalia in 1648; with the formation of nation state system, international politics blossomed. In today's age of globalization, the importance of the subject of international politics has increased manifold and as such it study.

Knowledge and Understanding

The course provides an introduction to the conceptual aspects of the subject. It explores the properties of interaction of states at global level, Non state actors beside state actors and their participation at international level. The course starts with an introduction to the meaning of international politics. The newly emerged region of central Asia and the influence it is having on world affairs. The course content also analyze the demise and collapse of erstwhile superpower USSR .Then it also introduces the emerging trends of times like bipolarity, unipolarity and multipolarity etc. Overall the course content analyze the changing nature of international politics and how it is influencing the internal and external politics of states.

Knowledge and Understanding:

Students will be able to know;

- How to define various concepts of international politics (e.g.; balance of power, collective security etc.)
- Students will understand and will be able to describe and analyze the difference between local politics, national politics and international politics.

Intellectual cognitive/ Analytical skills

Students will be able to asses and analyze

- the theoretical aspects and real factors underlying international conflicts among the states/ nations
- The power structure at world level, the way the states are trying to fulfil their national interests even at the cost of interests of others. The recent conflicts and crises at world level

Practical approach:

Students will be able to

- Learn and enhance their analytical level through video clips, discussions on u-tube etc.
- Think critically on theoretical aspects and real time situations in the worldly interaction.
- Students will have deep understanding of the subject which will contribute highly in their preparation for competitive exams etc.

B.A.

(Economics)

Course Name: Algebra

Programme: B.A. Economics Semester: Ist

Course Objectives:

The course on Algebra deals with advance topics on matrices viz. rank, eigen values, eigen vectors and homogeneous and non homogeneous systems, solution of cubic and bi-quadratic equations.

Course Outcomes:

A. Knowledge and Understanding:

- Understand all basic fundamentals of Matrices and vectors
- Learn to find rank of a matrix.
- Learn to solve linear system of equations (homogeneous and non homogeneous)
- Increasing Knowledge of the basic concepts of equations.
- Aware of a variety learning aids that can be used in the teaching of solving equations.
- Know how to transform the equation.
- Understand to solve cubic and bi-quadratic equations using cardon, Descarte and Ferrari's method.

B. Intellectual(cognitive/Analytical) skills:

- Use the basic concepts of matrix algebra and vector, including linear dependence/independence, rank and nullity, for analysis of matrices and systems of linear equations.
- Use the characteristic polynomial to compute the eigen values and eigen vectors of a square matrix and use them to diagonalise matrices when this is possible; discriminate between diagonalizable and non- diagonalizable matrices.
- Orthogonally diagonalise symmetric matrices and quadratic forms.

C. <u>General skills:</u>

- Use questioning and explanation strategies to help students learn new concepts and to support students in their problem solving activities.
- Apply mathematical methods involving arithmetic, algebra to solve problems.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

Course Name : Micro Economics Programme: B.A. Economics Semester- Ist

Objectives of the course: The purpose of Micro Economics is to give students a thorough understanding of the principles of Economics that apply to the decisions of individuals – both consumers and producers within the larger economic system after evaluating resources, costs and tradeoffs.

Course Outcomes:

A) Learning outcomes:

- Develop the ability to explain core economic terms, concepts and theories (explain the function of market and prices as allocative mechanisms, apply concepts of equilibrium, identify and discuss the key concepts underlying comparative advantage, identify and explain major types of market failures.)
- Demonstrate the ability to employ the "economic way of thinking" (discuss the application of marginal analysis, explain the use of benefit /cost analysis, explain the contribution of economics to the analysis of non-market social issues.)
- Demonstrate awareness of global historical, and institutional forces (assess the role of domestic and international institutions and norms in shaping economics.)
- Apply economic theories and concepts to contemporary social issues as well as formulation and analysis of policy (describe how economic trade-offs and social values impact public/private social policy, and the success or failure of policies to achieve intended outcomes.)

• Recognize the role of ethical values in economic decisions (distinguish between normative and positive economics, identify the limits of economic analysis, compare and contract efficiency and equity.)

B) Knowledge and understanding: Students

- Have knowledge to develop conceptual models of behaviour to predict responses to changes in policy and market conditions and can investigate these changes.
- Have knowledge to make decisions in everyday life like desirability of a particular financial investment opportunity, impact of public policies on healthcare or higher minimum wage etc.
- Have knowledge and understanding about economic institutions and various applied areas of economics.

C) Intellectual (Cognitive/ Analytical) Skills: Students

• Have deeper understanding of economic theory and have the opportunity to apply economic principles to a number of areas including finance, urban economics, labour economics, agricultural economics, public finance and international trade.

D) Practical skills: Students

- Have ability to use the analytical tools of economics in problem solving
- Have expertise to the analysis of data.
- Have reliable claims about the likely future path of the economy.
- E) Transferable skills: Students will develop transferable skills of
 - Communication to present finding and explain complex data.
 - Numeracy to handle complex data and apply mathematical and statistical analytical methods.
 - Problem solving to extract information, draw conclusions and make recommendations.

Course Name: Indian Economy

Programme : B.A. Economics Semester: IInd

Objective of the course:-

This course aims at informing about:

1. Indian economic growth, distribution and structural change: Comparative historical perspective

- 2. Planning for economic development: Changing contours of state and market in India
- 3. Poverty and inequality
- 4. WTO
- 5. Foreign Trade in India
- 6. Indian Taxation Structure
- 7. Indian Agriculture and Indian Industries

- Knowledge and understanding:- Students will know the structure and state of Indian economy, emerging challenges for economy, different sectors and sectoral growth. Students will get the knowledge of reasons for slow growth, problems of the sectors and different solution strategies.
- 2. **Intellectual Skills:-**Students will identify the situation of Indian Economy, better evaluate and understand the data and problems related to different indicators of growth of countries economy. Students will intellectually search solutions for different types of problem of whole economy.
- 3. **Practical Skills**:-Dealing with different types of data and problems of economy, students will become aware of state problems. They can be evaluated the solutions, paths for development of the economy.

4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique to evaluate economy growth, different sector contribution and role of different sectors in the growth of any other economy.

Course: Calculus II

Programme : B.A. Economics Semester: IInd

Course Objectives:

This course introduces the student to integral calculus with the techniques of integration and application of integration to physical problem.

Course Outcomes:

A. Knowledge and Understanding:

- Extend the concept of integrals to a variety of applications, establishing several integration
- Use a variety of mathematical techniques to evaluate integrals
- Develop problem solving skills through diverse applications of the integral
- Analyze the parameterization of curves and the polar coordinate system

B. Intellectual(cognitive/Analytical) skills:

- Examine various techniques of integration and apply them to definite and improper integrals,
- Approximate definite integrals using numerical integration techniques and solve related problems,
- Model physical phenomena using partial differential equations,-
- Compute limits of, differentiate, integrate and solve related problems involving functions represented parametrically or in polar coordinates,

- Differentiate, and integrate functions represented using power series expansions, including Taylor series, and solve related problems.

C. Practical skills:

Students will be able to:

- Evaluate iterated integrals and switch the order of integration.
- Find volumes of solids by calculating appropriate double integrals in rectangular and polar coordinates.
- Find surface area using a double integral.
- Evaluate triple integrals and use them to find volumes in rectangular, cylindrical and spherical coordinates.
- Use a Jacobian to make a change of variables in a double integral.

Course: Calculus and Differential equations II Programme : B.A. Economics Semester: IInd

Course Objectives:

This course provides an introduction to topics involving calculus and ordinary differential equations. Both Calculus and Differential equations have applications in all areas of applied Sciences and engineering. Upon completion, students will be able to understand the applications of differential and integral calculus and also demonstrate understanding of the theoretical concepts and select and use appropriate techniques for finding solutions to differential equations.

Course Outcomes:

A. Knowledge and Understanding:

-Write the definition of indefinite and definite integrals.

-Define the integral of the inverse trigonometric and hyperbolic functions.

-State the Fundamental theorem of calculus

-Find general solutions to first order, second order and higher order homogeneous and nonhomogenous differential equations with constant and variable coefficients. -find the series solution of differential equation

B. Intellectual(cognitive/Analytical) skills:

-Evaluate Indefinite integral involving hyperbolic functions and Definite integral of all the functions.

-Sketch the graph of curves (Cartesian and parametric co-ordinates)

-Calculate areas of plane regions and arc length.

- Select and apply appropriate methods to solve differential equations.

-Apply power series method to find solution of Differential equations involving Bessel and Legendre equations.

- Use fundamental theorem of calculus to evaluate integral involving algebraic and transcendental functions.

C. Practical skills:

-Present mathematics to others, both in oral and written form clearly and in a well organized manner.

- Have the ability to carry out complex calculations orally and mentally.

Course: Analysis

Programme : B.A. Economics Semester: IIIrd

Course Objectives:

The aims of this course are to develop an understanding of convergence in its simplest setting to explain the difference between the sequence and series in the mathematical context to lay foundations for further investigation of infinite processes, in particular differential and integral calculus.

Learning outcomes:

A. Knowledge and Understanding:

Students will have

- An ability to work within an axiomatic framework.

- Knowledge of some simple technique for testing the convergence of sequences and series and confidence in applying them.

- An understanding of how the elementary functions can be defined by power series with an ability to deduce some of their easier properties.

B. Intellectual(cognitive/Analytical) skills:

- Express correctly the definitions of basic concepts from the course unit, for example the definition of the limit of a sequence.

- Decide on the correctness or otherwise of statements involving the basic concepts from the course unit, providing justifications or counter examples as appropriate.

C. Practical skills:

- Decide on convergence or divergence a wide class of series of real numbers or power series with real coefficient.

- A detailed understanding of how Cauchy's criterion for the convergence of real sequences and series follows from the completeness for R and the ability to explain the steps in standard mathematical notation.

Course: Analytical Geometry

Programme : B.A. Economics Semester: IIIrd

Course Objectives:

The aim of this course is to introduce the geometry of lines and conics in the Euclidean plane. Students can develop geometry with a degree of confidence and will gain fluency in the basics of Euclidean geometry. In this course, foundational mathematical training is also pursued. Curves studied include straight lines, ellipse, parabolas, hyperbolas and sphere. The course assumes a sound background in algebra, geometry and trigonometry.

Course Outcomes:

□ Knowledge and Understanding:

Students will be able to:

- Parameterize curves.
- Evaluate the distance and angle.
- Sketch conic sections.
- Identify conic sections.
- Classify quadratic equations.

Intellectual (cognitive/Analytical) skills:

On completion of this module, students should be able to:

- Establish rectangular coordinate system in the plane and in the space, express concept of vector both geometrically and analytically, understand operations on vectors and the properties of these operations.

- Estimate polar equations of conics and their graphs.
- Study of conics like ellipse, parabola and hyperbola.
- Express condition of parallel or perpendicular of the two lines.

Practical skills:

- Define conics and draw the graphs of conics such as ellipse, hyperbola, parabola and ellipse.
- Use the polar coordinate system, relate it to the rectangular coordinate system and graph equations using polar coordinates.
- Model real world situations with equations of conics.
- Determine equation of curves when given information that determines the curve.
Course: Statics and Vector Calculus

Programme : B.A. Economics Semester: IVth

Course Objectives:

This Course introduces the student to review vector arithmetic, distinguish point and vectors, relate geometric concepts to their algebraic representation, describe point, line, and planes, use the dot product and cross product and their applications in Graphics. In Statics, we deal with equilibrium of bodies under action of forces (bodies may be either at rest or move with a constant velocity)

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to:

- Identify conservative vector fields.
- Find the divergence and curl of a vector field.
- Evaluate line integrals of curves and vector fields.
- Use Green's theorem to evaluate line integrals.
- Gradient vector fields and constructing potentials

B. Intellectual(cognitive/Analytical) skills:

On completion of this module, students should be able to:

a) calculate vector and scalar derivatives of vector and scalar fields using the grad, div and curl operators in Cartesian and in cylindrical and spherical polar coordinates; b) Use suffix notation to manipulate Cartesian vectors and their derivatives; c) calculate multiple integrals in two and three dimensions including changing variables using Jacobians. d) Calculate line and surface integrals and use the various integral theorems.

Undertake the analysis of symmetric beams under vertical loads and torsion of cylindrical shafts **C. Practical skills:**

- The integral ideas of the functions defined including line, surface and volume integrals - both derivation and calculation in rectangular, cylindrical and spherical coordinate systems and understand the proofs of each instance of the fundamental theorem of calculus.

- Examples of the fundamental theorem of calculus and see their relation to the fundamental theorems of calculus in calculus leading to the more generalised version of Stokes' theorem in the setting of differential forms.

- The differential ideas of divergence, curl, and the Laplacian along with their physical interpretations, using differential forms or tensors to represent derivative operations.

Course Name: International Economics and Public Finance

Programme : B.A. Economics Semester :**IV**th

Objectives of the course:

This course aims at making students understand the meaning and importance of international trade. Students will be able to distinguish between fixed and flexible exchange rates and reasons of fluctuation in these rates. Students will also be made to understand the meaning and components of balance of payments. Students will understand about taxation, public debt ,public expenditure etc.

Course Outcomes:

Knowledge and understanding:

Students will

Know how to define various elements of international trade.

Understand and explain the basic concepts associated with international trade and public finance.

Intellectual skills

Students will be able to

Define various terms related to international Economics and public finance.

Think critically about the different theories of international trade

Practical skills

Students will learn to:

Draw diagrams to show relations between different variables

Analyze the actual situation of country's trade, BOP, exchange rates, taxes, public expenditure etc.

Course Name: Quantitative Methods for Economists

Programme: B.A. Economics Semester: VIth

Objective of the course:-

This course aims at provide students the knowledge of statistical and mathematical techniques to analysis data. It enabled the students to use these methods as a tool in government, private business firms and research agencies. These statistical methods are used in forecasting, controlling and exploring data.

Course outcomes:-

- 1. **Knowledge and understanding:** Students will understand the scope and categories of the subjects. Students will know the techniques of data collection and the techniques and methods to apply and evaluate the result of economic variables and their relationships.
- Intellectual Skills:-Students will able to understand and apply the methods to test the validity of economic theories. They can further use the techniques for research purpose. They can also forecast the future values. Students can get the knowledge of techniques that is how to apply different techniques and different formulas and their applicability on different types of data.
- 3. **Practical Skills**: Students will be familiar with Quantitative methods and their application on economic variables. Students will familiar with different techniques and

able to use these techniques to analysis any applicable dimension of economic theory and variable.

4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique. They will be able to use stastiscal and mathematical techniques for economic variables for evaluation, to test validity of economic theory and forecast future values.

Course: Dynamics

Programme: B.A. Economics Semester: Vth

Course Objectives:

This course aims to equip the student with fundamental knowledge of dynamics of machines so that student can appreciate problems of dynamic force balance, transmissibility of forces, isolation of systems and vibrations. The overall objective of this course is to learn how to analyze the motions of mechanisms, design mechanisms to have given motions and analyze forces in machines.

Learning outcomes:

A. Knowledge and Understanding:

Students will be able to

- Understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.

- Understand and use basic terms for the description of the motion of particles, vector functions and the fundamental laws of Newtonian mechanics.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

- understand the concept of terminal speed, and use it in solving mechanics problems in one dimension

B. Intellectual(cognitive/Analytical) skills:

- Analyze the applications of mathematics to the problems in physics & develop suitable mathematical method for such application.

- Solve problems relating to the motion of a projectile in the absence of air resistance

C. Practical skills:

- Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

Course: Number theory

Programme: B.A. Economics Semester: V^h

Course Objectives:

The objective of this course is the study of basic structure and properties of integers. Learning number theory helps improving one's ability of mathematical thinking. The objectives for this course are to expose students to this beautiful theory, to understand what inspired this quote from Gauss and to allow students to experience mathematics as a creative, empirical science.

Learning Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Explore the use of arithmetical functions, the Mobius function and the Euler totient function.

- Solve systems of linear congruences with different moduli using the Chinese Remainder Theorem.

- Prove results involving divisibility and greatest common divisors.

B. Intellectual(cognitive/Analytical) skills:

- Enchance and reinforce the student's understanding of concepts through the use of technology when appropriate.

- Apply Euler-Fermat's Theorem to prove relations involving prime numbers.

C. General skills:

- Analyze the structure of real-world problems and plan solution strategies.

- Communicate quantitative data verbally, graphically, symbolically and numerically.

- Use mathematical concepts in problem-solving through integration of new material and modeling.

Course Name: Quantitative Methods for Economists

Programme: Class: B.A. Economics Semester: VIth

Objective of the course:-

This course aims at provide students the knowledge of statistical and mathematical techniques to analysis data. It enabled the students to use these methods as a tool in government, private business firms and research agencies. These statistical methods are used in forecasting, controlling and exploring data.

Learning outcomes:-

1. **Knowledge and understanding:** - Students will understand the scope and categories of the subjects. Students will know the techniques of data collection and the techniques and methods to apply and evaluate the result of economic variables and their relationships.

2. **Intellectual Skills:**-Students will able to understand and apply the methods to test the validity of economic theories. They can further use the techniques for research purpose. They can also forecast the future values. Students can get the knowledge of techniques that is how to apply different techniques and different formulas and their applicability on different types of data.

3. **Practical Skills**: - Students will be familiar with Quantitative methods and their application on economic variables. Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic theory and variable.

4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique. They will be able to use stastiscal and mathematical techniques for economic variables for evaluation, to test validity of economic theory and forecast future values.

Course: Numerical Analysis

Programme: B.A. Economics Semester: VIth

Course Objectives:

This course aims to provide a first approach to the subject of algebra, which is one of the basic pillars of modern mathematics. The focus of the course will be the study of certain structures called groups, rings, fields and some related structures. Abstract algebra gives to student a good mathematical maturity and enables to build mathematical thinking and skill.

Course Outcomes:

A. Knowledge and Understanding:

Students will know how

- Solve an algebraic or transcendental equation using an appropriate numerical method.

- Approximate a function using an appropriate numerical method.
- solve a differential equation using an appropriate numerical method
- evaluate a derivative at a value using an appropriate numerical method
- code a numerical method in a modern computer language

B. Intellectual(cognitive/Analytical) skills:

- Derive numerical methods for approximating the solution of problems of continuous mathematics,

- Analyze the error incumbent in any such numerical approximation,
- Implement a variety of numerical algorithms using appropriate technology.

- Compare the viability of different approaches to the numerical solution of problems arising in roots of solution of non-linear equations, interpolation.

- And approximation, numerical differentiation and integration, solution of linear systems.

C. Transferable skills:

- solve a linear system of equations using an appropriate numerical method

- Problem solving and Analytical skills
- Be able to develop numerical literacy
- Social responsibility and global citizenship skills

Course: Linear Algebra

Programme: B.A. Economics Semester: VIth

Course Objectives:

Algebraic structures -- such as groups, rings, and fields -- are pervasive in mathematics. This course focuses on (commutative) rings, which are sets equipped with two (commutative) operations (called addition and multiplication), and that contain an additive identity and an additive inverse for each element of the set. A fundamental example of a ring is \mathbf{Z} , the set of integers; other important examples include \mathbf{Q} , \mathbf{Z} modulo n, and $\mathbf{Q}[X]$, which is the set of polynomials in X with rational Coefficients.

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Develop an understanding of linear algebra in mathematics, natural and social sciences.

- Use matrix algebra to analyze and solve equations arising in many applications that require a background in linear algebra.

- Utilize vector space terminology and describe how closely other vector spaces resemble Rn.

B. Intellectual(cognitive/Analytical) skills:

- Demonstrate factual knowledge of the fundamental concepts of spanning, linear independence, and linear transformations.

- Acquire communication and organizational skills, including effective written communication in their weekly assignments.

- Use visualization, spatial reasoning as well as geometric properties and strategies to mode, solve problems and view solutions especially in R2 and R3.

C. General skills:

- Apply mathematical methods involving arithmetic, algebra, geometry and graphs to solve problems.

- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

- Interpret and analyze numerical data, mathematical concepts and identify patterns to formulate and validate reasoning.

B.A. (Geography) Course Outcomes

Course Name: Geomorphology

Class B.A. Geography Semester Ist

Objectives of the course: This course represents the interface between physical aspects of Geography and Geology, Oceanography, Glaciology etc. The course aims to sensitise the student to this interface. The course aims to familiarize the student with the conceptual framework for understanding the existing geomorphological landscapes and related processes. The course is designed to provide the student with a theoretical and empirical framework for understanding landscape evolution and the characteristics of individual types of geomorphic landscapes

Course Outcomes

- (a) Knowledge and Understanding:
- The student can explain principal terms, definition and theories (e.g. conceptual approaches in geomorphology)
- The student can describe landforms and land forming in different climatic zones and tectonic regimes.
- The student can explain different theories and models for landscape evolution.
- The student can discuss the development of micro to mega scale landforms and their life spans.
- The student can assess the mode of formation, age and history for landforms in world.
- (b) Intellectual Cognitive/Analytical skill:
 - Student are able to:
 - Apply a precise geological language to describe and discuss geological processes, phenomena and theories.
 - Demonstrate the ability to function individually, in cooperation and ethically with others.

- Acknowledge, evaluate and communicate the role of humans in and our dependency and impact on the earth system.
- Use libraries and scientific databases to retrieve relevant information, including the proper citation of sources.
 - (c) Practical skills:

Students are able to:

- Use field-based techniques to obtain and work with earth science data.
- Plan and carry out geomorphological field investigation (including, observation, interpretation, report)
- Search and find relevant information to elucidate geomorphological problems.
- Compare and discuss the formation of large scale landforms involving both exogenous and endogenous processes.
- (d) Transferable skills:

Candidates will have had the opportunity to acquire the following abilities through the research training and research specified for the programme the skills necessary for a career as a researcher and/or for employment in a senior and leading

- Capacity in a relevant area of professional practice or industry; evaluating their own achievement and that of others;
- Self-direction and effective decision making in complex and unpredictable situations;
- Independent learning and the ability to work in a way which ensures continuing professional development

Course Name: Cartography 1

Class B.A. Geography Semester Ist

Objectives of the course: The objective of this course is to promote awareness of the various cartographic techniques available for graphic representation of relief, population, agriculture, industrial and transport data, the steps of construction of the techniques - their merits and demerits. An effort is made to help them develop manual skills of drawing maps based on some

of the above-mentioned data. They are also told about benefits of GIS and computer-assisted cartography.

Course Outcomes

- (a) Knowledge and Understanding: Student are able to:
- Demonstrate in-depth understanding of the spatial models and mathematical methods used in contemporary practice.
- Understand specialist bodies of knowledge in surveying and geospatial science.
- Be proficient in the recording, storage, management and reporting of spatial information.
- Use cartographic design skills for the visualisation and representation of information
- Communicate effectively by means of oral, written and graphical presentations to peers and a wider audience.
- (b) Intellectual Cognitive/Analytical skill:

Students are able to:

- a keen eye for detail as much of the work involves careful research and the collection and manipulation of data
- an eye for layout and design, good spatial awareness and colour vision
- analytical ability and problem-solving skills
- team working skills in order to produce maps quickly and effectively
- a methodical and systematic approach to work
- high standards of accuracy and attention to set procedures
- the ability to interpret data, graphical representations and symbols
- the ability to work independently
- (c) Practical skills:

Students are able to:

- Describe the nature of maps and the history of mapping
- Use a variety of contemporary map products
- Interpret maps on both quantitative and qualitative levels

- Apply cartographic design principles involved in map design and use graphics software for mapping purposes.
- Recognise available map resources
- Identify the principles involved in the map production process
- (d) Transferable skills:

Students are able to:

- Use this software for prepare the various types of maps in geography with the help of cartographic Techniques of GIS software.
- Applied this software and cartographic techniques for analysis and study in rural settlement geography and urban settlement for planning and development.
- Understand the cartographic techniques and its tolls, functions, applied in agriculture geography and physical geography for assessment and visualization purpose.
- Help with these techniques, tool, methods, procedures; analysis potential and cartographic technique etc. prepare the project report considering all types of data related to geography of any selected study area or village.

Course Name: CARTOGRAPHY-II

Program: B.A. Geography (Practical) Semester: IInd

Objective:

Geography is an amalgam of physical as well as social sciences and as such it is necessary for the students to go through laboratory exercises particularly to show directions and bearings and different methods of representing relief. Knowledge of directions and bearings is essential and an introduction to weather maps is also required

Course Outcomes:

A. Knowledge and Understand):

Students will

- •Choose an approved book from the resource list or another book approved by the teacher. While reading the book the students should keep in mind the theme
- •As the students read their book they should take detailed chapter notes. In their chapter notes the students should identify characteristics that represent the seven elements and examples of the geographical theme
- •After reading their book the students should create collage that illustrates the elements found in their particular book
- •Once completed the students will be expected to give a brief book talk where they will discuss the overview of their book.

B. Intellectual Cognitive/ Analytical Skills:

Students will be able to

- use a variety of maps and documents to interpret human movement, changing environmental preferences and settlement patterns, and the diffusion of ideas, technological innovations, and goods.
- relate current events to the physical and human characteristics of places and regions
- construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations.
- show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments

C. Practical Skills

Student will learn to:

1. To apprise the students with symbolization of different types of geographical data and depiction on map

2. To provide training in application of various graphical methods of depicting geographic data.

3. To train the students to interpret the information at different scale

Course Name: Geography of Resources and Environment

Class B.A. Geography Semester IIIrd

Course Outcomes

(a) Knowledge and understanding

Students will demonstrate a proficiency in knowledge of essential concepts of physical and human geography including:

- Describing human-environment, and nature-society interactions as well as global human and environmental issues.
- Identifying and explaining the planet's human and physical characteristics and processes, from global to local scales.

(b) Intellectual Cognitive/Analytical Skill:

Students will demonstrate the ability to analyze, interpret, and draw conclusion about geographic problems and information including:

- Demonstrating proficiency in using geographical research tools including spatial statistics, cartography, remote sensing, GIS and GPS.
- Applying knowledge of global issues to a unique scientific problem.
- Identifying human and environmental issues on global, regional, and local scales and critically assess various perspectives on the issue.

(c) Practical Skills

Student will able to:

- Evaluating the impacts of human activities on natural environments.
- Applying knowledge of global issues to local circumstances to evaluate the local effects of the issues.

(d) Transferable skills

Student will able to:

- Identifying, interpreting and analyzing geographic problems and processes.
- Formulating a research methodology and executing a formal student-led research project.
- Defending and communicating facts, ideas and research results via written, oral, graphical and quantitative outlets.
- Demonstrating the ability to evaluate and solve geographic problems effectively in collaborative settings working with other students.

Course Name: Cartography 2

Class B.A. Geography Semester IIIrd

Objectives of the course:

Geography is an amalgam of physical as well as social sciences and as such it is necessary for the students to go through laboratory exercises particularly to show directions and bearings and different methods of representing relief. Knowledge of directions and bearings is essential and an introduction to weather maps is also required

Course outcomes:

A. Knowledge and Understand):

Students will

- Choose an approved book from the resource list or another book approved by the teacher. While reading the book the students should keep in mind the theme
- As the students read their book they should take detailed chapter notes. In their chapter notes the students should identify characteristics that represent the seven elements and examples of the geographical theme
- After reading their book the students should create collage that illustrates the elements found in their particular book
- Once completed the students will be expected to give a brief book talk where they will discuss the overview of their book.

B. Intellectual Cognitive/ Analytical Skills:

Students will be able to

- use a variety of maps and documents to interpret human movement, changing environmental preferences and settlement patterns, and the diffusion of ideas, technological innovations, and goods.
- relate current events to the physical and human characteristics of places and regions
- construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations.
- show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments

C. Practical Skills

Student will learn to:

- To apprise the students with symbolization of different types of geographical data and depiction on map
- To provide training in application of various graphical methods of depicting geographic data.
- To train the students to interpret the information at different scale
 - (d) Transferable skills:

Students are able to:

- Applied this software and cartographic techniques for analysis and study in rural settlement geography and urban settlement for planning and development.
- Understand the cartographic techniques and its tolls, functions, applied in agriculture geography and physical geography for assessment and visualization purpose.

Help with these techniques, tool, methods, procedures; analysis potential and cartographic technique etc. prepare the project report considering all types of data related to geography of any selected study area or village

Course Name: MAPWORK AND PRACTICAL GEOGRAPHY

Program: B.A. Geography (Practical) Semester: IVth

Objectives of the Courses:

1. To apprise the students with symbolization of different types of geographical data and depiction of various spatial data.

2. To provide training in application of various graphical methods of depicting geographic data.

3. To train the students to interpret the topographical sheets at different scales course Content

Course Outcomes:

A. Knowledge and Understanding:

Students will

- •Choose an approved book from the resource list or another book approved by the teacher. While reading the book the students should keep in mind the theme
- •As the students read their book they should take detailed chapter notes. In their chapter notes the students should identify characteristics that represent the seven elements and examples of the geographical theme
- •After reading their book the students should create collage that illustrates the elements found in their particular book
- •Once completed the students will be expected to give a brief book talk where they will discuss the overview of their book.

B. IntellectualCognitive/ Analytical Skills:

Students will be able to

- use a variety of maps and documents to interpret human movement, changing environmental preferences and settlement patterns, and the diffusion of ideas, technological innovations, and goods.
- relate current events to the physical and human characteristics of places and regions

- construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations.
- show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments

C. Practical Skills

Student will learn to:

1. To apprise the students with symbolization of different types of geographical data and depiction on map

2. To provide training in application of various graphical methods of depicting geographic data.

3. To train the students to interpret the information at different scales.

Course Name: World Geography Class B.A. Geography Semester Vth Objectives of Course:

- Students will get an introduction to the main regions of the world in terms of both their uniqueness and similarities. They will thus gain a perspective about social and cultural diversity of the world.
- Students will learn the relationships between the global, the regional and the local, particularly how places are inserted in regional and global processes.

Course Outcomes

(a) Knowledge and understanding

- Students will develop a solid understanding of the concepts of "space," "place" and "region" and their importance in explaining world affairs.
- Students will understand general demographic principles and their patterns at regional and global scales.
- Students will be able to locate on a map major physical features, cultural regions, and individual states and urban centers.
- Students will understand global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes

(b) Intellectual Cognitive/Analytical Skill:

- Students will be exposed to historical, economic, cultural, social and physical characteristics of regions, notably how they came to be, their main role and function and how they are changing.
- Students will see how human activities and the regional environment interact, particularly how societies reflect their regional environment.

(c) Practical Skills

- Students will acquire an understanding of and appreciation for the relationship between geography and culture.
- Students will acquire an understanding of and appreciation for the role that geography can play in community engagement.
- Students will develop the ethical aptitudes and dispositions necessary to acquire and hold leadership positions in industry, government, and professional organizations.
- Students will read, interpret, and generate maps and other geographic representations as well as extract, analyze, and present information from a spatial perspective.
- Students will understand through lectures but also local, regional, and/or international travel the interconnection between people and places and have a general comprehension of how variations in culture and personal experiences may affect our perception and management of places and regions.

(d) Transferable skills

- Students will have a general understanding of physical geographic processes, the global distribution of landforms and ecosystems, and the role of the physical environment on human populations.
- Students will have a general understanding of cultural geographic processes, the global distribution of cultural mosaics, and the history and types of interaction between people within and among these mosaics.
- Students will have a general understanding of global human population patterns, factors influencing the distribution and mobility of human populations including settlement and economic activities and networks, and human impacts on the physical environment.
- Students will be able to think in spatial terms to explain what has occurred in the past as well as using geographic principles to understand the present and plan for the future.
- Students will have a general understanding of how the physical environment, human societies, and local and global economic systems are integral to the principles of sustainable development.
- Students will have a general understanding of the various theoretical and methodological approaches in both physical and human geography and be able to develop research questions and critically analyze both qualitative and quantitative data to answer those questions.
- Students will be able to present completed research, including an explanation of methodology and scholarly discussion, both orally and in written form and, wherever possible, utilize cartographic tools and other visual formats.

Course Name: Map Projection

Class B.A. Geography Semester Vth

Objectives of Course:

• To apprise the students with symbolization of different types of geographical data and depiction of various spatial data.

- To provide training in application of various graphical methods of depicting geographic data.
- To train the students to interpret the topographical sheets at different scales course Content

Course Outcomes

- (a) Knowledge and understanding
 - Students will
- Choose an approved book from the resource list or another book approved by the teacher. While reading the book the students should keep in mind the theme.
- As the students read their book they should take detailed chapter notes. In their chapter notes the students should identify characteristics that represent the seven elements and examples of the geographical theme.
- After reading their book the students should create collage that illustrates the elements found in their particular book.
- Once completed the students will be expected to give a brief book talk where they will discuss the overview of their book.

(b) Intellectual Cognitive/Analytical Skill:

Students will be able to

- use a variety of maps and documents to interpret human movement, changing environmental preferences and settlement patterns, and the diffusion of ideas, technological innovations, and goods.
- Relate current events to the physical and human characteristics of places and regions.
- construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations.
- show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments.

(c) Practical Skills

Student will learn to:

• To apprise the students with symbolization of different types of geographical data and depiction on map.

- To provide training in application of various graphical methods of depicting geographic data.
- To train the students to interpret the information at different scales.

(d) Transferable skills

Students are able to:

- Use this software for prepare the various types of maps in geography with the help of cartographic Techniques of GIS software.
- Applied this software and cartographic techniques for analysis and study in rural settlement geography and urban settlement for planning and development.
- Understand the cartographic techniques and its tolls, functions, applied in agriculture geography and physical geography for assessment and visualization purpose.
- Help with these techniques, tool, methods, procedures; analysis potential and cartographic technique etc. prepare the project report considering all types of data related to geography of any selected study area or village.

Course Name: Geography of India

Program: B.A. Geography Semester: VIth

Objectives of the Courses:

- 1. To understand the regional setting of India in detail through physical and political maps.
- 2. To examine the pattern of select population characteristics.
- 3. To study the distribution of major crops, industries and transport links in the state.
- 4. To understand the intra regional variations in the select aspects

Course Outcomes:

- Knowledge and Understand):

Students will

- •Choose an approved book from the resource list or another book approved by the teacher. While reading the book the students should keep in mind the theme
- •As the students read their book they should take detailed chapter notes. In their chapter notes the students should identify characteristics that represent the seven elements and examples of the geographical theme
- •After reading their book the students should create collage that illustrates the elements found in their particular book
- •Once completed the students will be expected to give a brief book talk where they will discuss the overview of their book.

- IntellectualCognitive/ Analytical Skills:

Students will be able to

- use a variety of maps and documents to interpret human movement, changing environmental preferences and settlement patterns, and the diffusion of ideas, technological innovations, and goods.
- relate current events to the physical and human characteristics of places and regions
- construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations.
- show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments

- Practical Skills

Student will learn to:

- a. To apprise the students with symbolization of different types of geographical data and depiction of various spatial data of Punjab map
- b. To provide training in application of various graphical methods of depicting geographic data.
- c. To train the students to interpret the information at different scales.

- d. To provide an analytical understanding of use of common map.
- e. To acquaint the students with the importance of field work as one of the methodologies in geography.
- f. To sensitize the students about data processing and analysis

Course Name: MAP PROJECTIONS-II AND FIELD WORK

Program: B.A. Geography (Practical) Semester: VIth

Objectives of the Courses:

- To Provide an analytical understanding of use of common map projections.
- To acquaint the students with the importance of field work as one of the methodologies in geography.
- To sensitize the students about pre-field work and post-field work i.e. data processing and analysis and writing of field work report.

Course Outcomes:

A. Knowledge and Understand):

Students will

- •Choose an approved book from the resource list or another book approved by the teacher. While reading the book the students should keep in mind the theme
- •As the students read their book they should take detailed chapter notes. In their chapter notes the students should identify characteristics that represent the seven elements and examples of the geographical theme
- •After reading their book the students should create collage that illustrates the elements found in their particular book
- •Once completed the students will be expected to give a brief book talk where they will discuss the overview of their book.

B. IntellectualCognitive/ Analytical Skills:

Students will be able to

- use a variety of maps and documents to interpret human movement, changing environmental preferences and settlement patterns, and the diffusion of ideas, technological innovations, and goods.
- relate current events to the physical and human characteristics of places and regions
- construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations.
- show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments

C. Practical Skills

Student will learn to:

1. To apprise the students with symbolization of different types of geographical data and depiction on map

2. To provide training in application of various graphical methods of depicting geographic data.

3. To train the students to interpret the information at different scales.

B.A.(History)

COURSE NAME: HISTORY OF INDIA, UPTO C. 1000

PROGRAMME: B.A. HISTORY SEMESTER Ist

Objectives: The paper is designed to familiarize students with the History of India upto 1000 A.D. The course is prepared to educate students with the rich heritage traditions as well as politico-socio and economic traditions of ancient India.

Course Outcomes:

A. Knowledge and understanding

Students shall:

- > Know about important historical happenings of ancient times.
- > Know how the political, social, economic and cultural ideas were integrated.
- > Students will know the ancient traditions of art and literature.
- > Student will understand the nature of society and culture in contemporary times.

B. Intellectual Cognitive/ Analytical Skills

Students will be able to:

- ► Acquire General knowledge.
- > Prepare for competitive exams
- ➤ Analyze ancient age and related facts.

C. Practical skills:

- Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- > It will develop analytical skills among them.

- Communication skills
- Analytical skills

- Critical thinking
- ➢ Knowledge

COURSE NAME: HISTORY OF INDIA, 1000-1707 A.D.

PROGRAMME: B.A. HISTORY SEMESTER: IInd

Objectives: The paper is designed to familiarize students with the History of India from 1000-1750 A.D. The course is prepared to educate students with the major dynasties of the medieval times, major religious-cultural movements and the contribution of this period in the history of India.

A. Knowledge and understanding

Students shall

- > Know about important historical ideas of medieval age.
- ▶ Know how the political ideas were integrated.
- Students will know milieu of Hindu and Islamic ideas of polity and society.
- > Student will understand the nature of society and culture in contemporary times.

B. Intellectual Skills

Students will be able to:

- ► Acquire General knowledge.
- Prepare for competitive exams
- ➤ Analyze medieval age and related facts.

C. Practical skills:

- Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- ▶ It will develop analytical skills among them.

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME: HISTORY OF INDIA (1750-1964)

PROGRAMME: B.A. HISTORY SEMESTER: IIIrd

Objectives of the Course: this course aims at acquainting students with the foundation of British rule in India, expansion of it under various British Governor- Generals and their policies towards education and land revenue systems.

Course Outcomes:

A. Knowledge and understanding

Students will

- ▶ Know the economic, educational and political changes under British Empire.
- > Understand and explain the uprising of 1857 revolt.
- Students will understand and be able to describe the origin and growth of National movement in India.

B. Intellectual Skills

Students will be able to

- ▶ Learn the causes, main events and impact of revolt of 1857.
- > Analyze the revolutionary activities in Bengal, Maharashtra and Punjab.
- > Think critically about the constitutional development under Britishers.

C. Practical skills:

- > Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- ▶ It will develop analytical skills among them.

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME: HISTORY OF THE PUNJAB (AD 1469-1799)

PROGRAMME: BA HISTORY SEMESTER: IVth

Objectives: this course AIMS at acquainting students with history of Punjab during Sikh gurus period. It also aims to acquainting the students with the development of Sikhism under the gurus and political structure of the Punjab during Banda Singh bahadur and misls rule

Course Outcomes:

A. Knowledge and understanding

Students will

- No the geographical features of Punjab during the study period. Its impact on the various condition of the Punjab.
- Understand and explain the basic concepts of Guru Nanak Dev ji,e.g, concept of God, concept of guru, universal brotherhood, importance of 'Naam' etc.
- Students will understand and be able to describe the development and growth of Sikhism under the successors of Guru Nanak Dev ji.

B. Intellectual Skills

Students will be able to

- > Learn the causes, main events and impact creation of khalsa under guru gobind Singh ji.
- Analyze the political activities of Banda Singh bahadur and establishment of an independent role of him.
- > Analyze the position Sikhs under the Mughal governors.
- > Think critically about the Rakhi, Gurmatasystems under Dal khalsa and Misls.

C. Practical skills:

- Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- ▶ It will develop analytical skills among them.

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME: HISTORY OF THE WORLD (1500-1956AD)

PROGRAMME: B.A. HISTORY SEMESTER : Vth

Objectives: This course aims at acquainting students with history of world from 1500-1956. Students will learn about the political, social, religious and economic changes occurred during this time

Course Outcomes:

This study programme will enhance the knowledge of students about the history of Punjab from 1799-1966.

A. Knowledge and understanding

Students will understand the history of Punjab from the foundation of first Sikh empire in 1799 to the formation of Punjab state in 1966.

B. Intellectual Skills

- > Students will be able to acquire General knowledge and subject expertise.
- Prepare for competitive exams

C. Practical skills

- Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- ▶ It will develop analytical skills among them.

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME: HISTORY OF PUNJAB (A.D. 1799-1966)

PROGRAMME: B.A. HISTORY SEMESTER: VIth

Objectives: his course aims at acquainting students with history of Punjab during the period from 1799-1966. Students will learn about the political, social, religious and economic changes occurred during this time.

Course Outcomes:

This study programme will enhance the knowledge of students about the history of Punjab from 1799-1966.

A. Knowledge and understanding

Students will understand the history of Punjab from the foundation of first Sikh empire in 1799 to the formation of New Punjab in 1966.

B. Intellectual Skills

Students will be able to

- Acquire General knowledge and subject expertise
- Prepare for competitive exams

D. Practical skills

- Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- ➤ It will develop analytical skills among them.

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME: TABLA PROGRAMME: B.A. Semester: Ist

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of Laya and Talas in classical , light and folk music of India. It also gives the practical training to performing on stage with different types of Indian music.

Course outcomes

A.KnowledgeandUnderstanding

- . To study of Percussion Instruments.
- . To understsand relation between Tabla and Dance.
- . To studies about 10 Prans of Taal.
- . Role of Tabla in Gurmat Sangeet.

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the present form of Tabla in music.
- . Comparative study of Teen Taal and Tilwada.
- . Analyze the study of different gharanas of Tabla.

C. Practical Skills

. Tuning of Tabla.

- . Abilty to play nagma on Harmonium in different taals.
- . Knowledge of taals Teen Taal and Tilwada.
- . Abilty to play Teen Taal with vocal and instrument music.

ransferable skills

- . Use of tabla with dance.
- . Techniques of Sangat.
- . Detailed study of Gharanas.
- . Abilty to compose Kayedas.

COURSE NAME: Music Vocal PROGRAMME: B.A. Semester: Ist

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage, train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

COURSE NAME: TABLA PROGRAMME: B.A. Semester: IInd

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of Laya and Talas in classical , light and folk music of India. It also gives the practical training to performing on stage with different types of Indian music .

Course outcomes

A.Knowledge and Understanding

- .To understand Percussion instrument.
- . Study of basic components of Tabla.
- . Knowledge of Different parts of the Tabla.
- . Different types of Lyakaries.

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas
- . Comparative study of different Talas
- . Analyze the study of Musicologists

C. Practical Skills

- . Placement of fingers on Tabla.
- . Correct and fine sound production.
- . Knowledge of taals used in light and folk music
- . Making of composition of Talas

ransferable skills
- . Use of Layakari .
- . Techniques of perestation
- . Compare the study of Gharanas
- . Making of different Tihayis

COURSE NAME: Music Vocal PROGRAMME: B.A. Semester: IInd

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage, train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Content:

The course provides the basic knowledge about the historical development of Indian Music during vedic period. To define and explain the different musical term i.e Raga, Thata, Vadi, Samvadi etc. It also explain the salient features of time theory of the Indian Music and to focus on Ragas like kalyan, asawari, kafi. It also provides the brief knowledge about the life history, contributions and achievements of different musicians.

Course Outcomes:

Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

COURSE NAME: TABLA PROGRAMME: B.A. Semester: IIIrd

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes

A.Knowledge and Understanding

.To understand the characteristics of tabla vadak .

- . To understand the characteristics of sangatkar
- . Study on place of tabla in khayal gayan shally.
- . Knowledge of Different context like shaan, sath, and jori.

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the relation of different Talas
- . Comparative study of different gharanas
- . Use of tabla in music therapy .
- . Difference between paran and chakardar paran.

C. Practical Skills

- . How to do sath sangat.
- . Abilty to play saath k bol.

- . Use of compositions of Gurmat Sangeet.
- . Knowledge of relation between taals having same matras.

D.Transferable skills

- . Use of Layakari .
- . Techniques of playing tabla with slow khayal.
- . Compare the study of jhaptaal and sooltaal
- . Making of paran and chakardar paran

COURSE NAME: Music Vocal PROGRAMME: B.A. Semester: IIIrd

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

nowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..

• Compares the Ragas having same notes.

C. Practical Skills

- Tuning of tanpura
- Ability to sing Vilambit and Drut khayal
- How to play different notation of Ragas on harmonium.
- Ability to play talas on table i.e –Ektal and Sooltaal
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

COURSE NAME: TABLA

PROGRAMME: B.A. Semester: IVth

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes

A.Knowledge and Understanding

.To understand the folk percussion instrument.

. Study of basic components of Tabla.

. Knowledge of Different gharanas of Purab Baaj.

.Knowledge of rabindra sangeet tala system.

. Impact of Tabla in human behavior

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas
- . Comparative study of different gharanas
- . Brief study of Musicologists

C. Practical Skills

- . Placement of fingers on Tabla.
- . Correct and fine sound production.
- . Use of compositions of different gharans and famous musicologist
- . Knowledge of talas composed by Rabindra Nath Tagore

D.Transferable skills

- . Use of Layakari .
- . Techniques of perestation
- . Compare the study of Gharanas
- . Making of different Tihayis

COURSE NAME: Music Vocal PROGRAMME: B.A. Semester: IVth

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

nowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

COURSE NAME: TABLA PROGRAMME: B.A. Semester: Vth

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes

A.Knowledge and Understanding

.To understand the historical devolpment of tabla.

- . Study of south Indian taal system .
- . Knowledge of taal kachari.
- .Knowledge of accompaniment of table with different singing style.
- . knowledge about the place of tabla in fusion music

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas.
- . Study of electronic instruments used in music.
- . Analyze the study of Partaal gayan shally.

C. Practical Skills

- . Perfoming tabla as a solo instrument on stage.
- . Plying style of Pakhwaj.
- . Playing tabla with Shaan according to Gurmar Sangeet.
- . Use of tabla in fusion music

D.Transferable skills

- . Use of different Layakaries .
- . Techniques of sound production.
- . Compare the study of different taals
- . Ability to play Pakhwaj
- . Making of different bols like kayda, paran, tukda, tihai.

COURSE NAME: Music Vocal PROGRAMME: B.A. Semester: Vth

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

nowledge and Understanding:

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of shabads in prescribed ragas
- Ability to sing Vilambit and Drutkhayal in raag darbari, tilang and kedar

- How to play different notation of Ragas on harmonium.
- Ability to play Deepchandi and Tilwara tala on tabla.
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

COURSE NAME: TABLA PROGRAMME: B.A. Semester: VIth

OBJECTIVES: The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes

A. Knowledge and Understanding

.To understand the Western percussion instrument.

- . Study of talas used in Gurmat Sangeet
- . Knowledge of Different talas having odd numbers.
- .Knowledge of accompaniment of table with different singing style.
- . Knowledge of rhythm , emotions and mood

B. Intellectual (Cognitive/ Analytical) Skills:

- . To analyze the components and Lyakaries of different Talas
- . Comparative study of different gharanas

Analyze the study of Musicologists

C. Practical Skills

- . Perfoming tabla as a solo instrument on stage.
- . Correct and fine tuning of tabla on different scales.
- . Use of compositions of different gharans and famous musicologist
- . Knowledge of talas composed for gurmat sangeet

ransferable skills

.Use of different Layakaries .

.Techniques of presentation

.Compare the study of Gharanas

.Making of different bols like kayda, paran, tukda, tihai.

.Ability to play talas used in Maseet khani gats and Vilambit khayals

COURSE NAME: Music Vocal PROGRAMME: B.A. Semester: VIth

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

A. Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.

- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

B.A. (OFFICE MANAGEMENT AND SECRETARIAL PRACTICE)

Class: B.A. Semester – Ist

Objectives: This course aquitaine students with different methods and approaches of typewriting and its maintenance.

Course Outcomes

- 1. Students will know touch and sight methods of typewriting, its use and importance.
- 2. Students will learn Keyboard operation, Insertion and removal of paper
- 3. Students will learn special signs and symbols in the keyboard and their uses

Course : OFFICE MANAGEMENT AND SECRETARIAL PRACTICE

Class: B.A. Semester – IInd

Objectives: Students will learn shorthand its Origin and approaches particular emphasis on Pitman shorthand, stenography and writing techniques

Course Outcomes

- 1. Students will learn shorthand, with particular emphasis on Pitman shorthand.
- 2. Students will learn Consonants its number, forms, classes, size thiness, thickness, directions and joining strokes
- 3. Students will learn vowels, Dipthongs and Diphones
- 4. Students will learn Grammalogues and Phonography

5. Student will learn different concepts of Circles, Loops and Hooks.

Course : OFFICE MANAGEMENT AND SECRETARIAL PRACTICE

Class: B.A. Semester – IIIrd

Objectives: Students will learn about carbon paper, its types and Stencil Cutting and Duplicating: Techniques with particular emphasis on Electric and Electronic Typewriters and Shorthand.

Course Outcomes

- Students will learn Carbon Manifolding , Stencil Cutting techniques and kinds of duplicators
- 2. Students will learn Electric and Electronic Typewriters its importance and use.
- 3. Students will know about the Shorthand, Halving and Doubling Principle
- 4. Student will learn Prefixes, Suffixes, Contractions and Intersections.

Course : OFFICE MANAGEMENT AND SECRETARIAL PRACTICE

Class: B.A. Semester – IVth

Objectives: Students will learn about carbon paper, its types and Stencil Cutting and Duplicating: Techniques with particular emphasis on Electric and Electronic Typewriters and Shorthand.

Course Outcomes

- Students will learn Carbon Manifolding , Stencil Cutting techniques and kinds of duplicators
- 6. Students will learn Electric and Electronic Typewriters its importance and use.
- 7. Students will know about the Shorthand, Halving and Doubling Principle

8. Student will learn Prefixes, Suffixes, Contractions and Intersections.

Course : OFFICE MANAGEMENT AND SECRETARIAL PRACTICE

Class: B.A. Semester – Vth

Objectives: Students will learn about Office Stationery, Duplication Methods and how to make Travel Arrangement

Course Outcomes

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- 1. Students will learn about Office Stationery
- 2. Students will learn Duplication Methods i.e. Photocopying
- 3. Making Travel Arrangement: Preparing tour programme, railways and air reservation, and booking.

Course : OFFICE MANAGEMENT AND SECRETARIAL PRACTICE

Class: B.A. Semester – VIth

Objectives: Students will learn about Manuscripts , Tabulations, Syllabification of Combination and Shorthand

Course Outcomes

- 1. Students will learn about Manuscripts
- 2. Students will learn abou Tabulations:.
- 3. Students will know about the Shorthand, advanced pharseography
- 4. Student will learn transcription.

Course Name: Physical Education Programme: B.A. Semester : Ist-VIth

Course Outcomes

1. Students will understand the principles of health, wellness, mental and physical health.

2. Students will aware about skills to safely engage in physical activity.

3. Students will acquaint themselves with the principles of lifetime fitness and will incorporate fitness activities for healthy and active lifestyle.

4. Students will aware about the psychological, sociological concepts and principles that apply to physical activity and sport.

5. Students will acquire knowledge and demonstrate skills to safely engage in physical actively.

Course Name: Environmental Studies

Programme : Compulsory Course for UG Classes Environmental Studies

Semester: III or IV

Objectives of the Course:

This course aims to develop concern and to acquaint students with information related to environment. Its main objective is to develop concern in each individual to save the environment. Its main aim is to create awareness about sustainable development. It also works to spread awareness among the students on issues like Global warming, Climate change, Depletion of Natural resources, Declining water table and Pollution etc. Its ultimate aim is to create GREEN INDIA CLEAN INDIA.

Course Outcomes:

A. Knowledge and Understanding):

Students will

- Knowmultidisciplinary nature of Environmental studies its scope and importance.
- Understand and explain the various natural resources, Ecosystems, Environmental Pollutions and their control measures.
- Understand various Social issues, like Global warming, Acid rain, Climate change and disaster management.

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- identify the various Environmental problems and their possible solutions.
- analyze various social issues and their possible solutions
- analyze different types of Pollution and their control measures.

C. Practical Skills

Students will learn to:

- Plant tree species, Flowering species, vegetative propagation etc.
- Solid waste management (segregation of solid waste, disposal methods etc).
- Do Composting, Vermicomposting.
- Do disaster management.

D. Transferable Skills:

Students will be able to

- Manage solid waste, electronic waste, agriculture waste effectively in the society.
- learn to think more creatively to increase forest cover by Rotational cutting pattern.
- display better hygienic conditions in Society.

Course Name: Problem Of Drug Abuse: Management And Prevention

Programme : Compulsory Course for UG Classes Semester: I

Objectives of the Course:

The objective of course is to explore Meaning, Nature and Extent of Drug Abuse in India and Punjab. It provides knowledge Consequences of Drug Abuse for individual, family, society and nation. It also explains the Medical Management, Psychiatric Management, and Social Management. It explore the prevention and management of the drug abuse.

Course Outcomes:

B. <u>Knowledge and Understanding</u>):

Students will

- Understand the Meaning of Nature and Extent of Drug Abuse in India and Punjab and Consequences of Drug Abuse
- Understand the management of the Drug Abuse
- Understand the Prevention of Drug Abuse
- Understand the Controlling Drug Abuse

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- Identify the difference between varieties of drugs.
- Know the types of drug abuse.
- Think critically regarding the prevention and management of drug abuse.
- Provide awareness, seminar, camps regarding drug abuse
- The NDPs act, Statutory warnings, Policing of Borders
- •

D. Transferable Skills:

Students will be able to

- Communicate with public during seminars.
- Work with the de-addiction centers.
- Provide counseling, family and group therapy.
- Do advertisements on bad effects of drugs, Publicity and media, Campaigns against drug abuse, Educational and awareness program.

B.A. Economics

Class: B.Sc(Non Medical/Computer Science/Economics)/B.A

Course: Algebra Semester: I

Course Objectives:

The course on Algebra deals with advance topics on matrices viz. rank, eigen values, eigen vectors and homogeneous and non homogeneous systems, solution of cubic and bi-quadratic equations.

Course Outcomes:

A. Knowledge and Understanding:

- Understand all basic fundamentals of Matrices and vectors
- Learn to find rank of a matrix.
- Learn to solve linear system of equations (homogeneous and non homogeneous)
- Increasing Knowledge of the basic concepts of equations.
- Aware of a variety learning aids that can be used in the teaching of solving equations.
- Know how to transform the equation.
- Understand to solve cubic and bi-quadratic equations using cardon , Descarte and Ferrari's method.

B. Intellectual(cognitive/Analytical) skills:

- Use the basic concepts of matrix algebra and vector, including linear dependence/independence, rank and nullity, for analysis of matrices and systems of linear equations.
- Use the characteristic polynomial to compute the eigen values and eigen vectors of a square matrix and use them to diagonalise matrices when this is possible; discriminate between diagonalizable and non- diagonalizable matrices.
- Orthogonally diagonalise symmetric matrices and quadratic forms.
- C. <u>General skills:</u>

- Use questioning and explanation strategies to help students learn new concepts and to support students in their problem solving activities.
- Apply mathematical methods involving arithmetic, algebra to solve problems.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

Course : Micro Economics

B.A. Semester: I

Objectives of the course: The purpose of Micro Economics is to give students a thorough understanding of the principles of Economics that apply to the decisions of individuals – both consumers and producers within the larger economic system after evaluating resources, costs and tradeoffs.

Course Outcomes:

A) Learning outcomes:

- Develop the ability to explain core economic terms, concepts and theories (explain the function of market and prices as allocative mechanisms, apply concepts of equilibrium, identify and discuss the key concepts underlying comparative advantage, identify and explain major types of market failures.)
- Demonstrate the ability to employ the "economic way of thinking" (discuss the application of marginal analysis, explain the use of benefit /cost analysis, explain the contribution of economics to the analysis of non-market social issues.)
- Demonstrate awareness of global historical, and institutional forces (assess the role of domestic and international institutions and norms in shaping economics.)
- Apply economic theories and concepts to contemporary social issues as well as formulation and analysis of policy (describe how economic trade-offs and social values impact public/private social policy, and the success or failure of policies to achieve intended outcomes.)

• Recognize the role of ethical values in economic decisions (distinguish between normative and positive economics, identify the limits of economic analysis, compare and contract efficiency and equity.)

B) Knowledge and understanding: Students

- Have knowledge to develop conceptual models of behaviour to predict responses to changes in policy and market conditions and can investigate these changes.
- Have knowledge to make decisions in everyday life like desirability of a particular financial investment opportunity, impact of public policies on healthcare or higher minimum wage etc.
- Have knowledge and understanding about economic institutions and various applied areas of economics.

C) Intellectual (Cognitive/ Analytical) Skills: Students

• Have deeper understanding of economic theory and have the opportunity to apply economic principles to a number of areas including finance, urban economics, labour economics, agricultural economics, public finance and international trade.

D) Practical skills: Students

- Have ability to use the analytical tools of economics in problem solving
- Have expertise to the analysis of data.
- Have reliable claims about the likely future path of the economy.

E) Transferable skills: Students will develop transferable skills of

- Communication to present finding and explain complex data.
- Numeracy to handle complex data and apply mathematical and statistical analytical methods.
- Problem solving to extract information, draw conclusions and make recommendations.

Course Name: Indian Economy

Programme: B.Sc (Economics), B.A. Semester: II

Objective of the course:-

This course aims at informing about:

1. Indian economic growth, distribution and structural change: Comparative historical perspective

2. Planning for economic development: Changing contours of state and market in India

- 3. Poverty and inequality
- 4. WTO
- 5. Foreign Trade in India
- 6. Indian Taxation Structure
- 7. Indian Agriculture and Indian Industries

Course Outcomes:-

- Knowledge and understanding:- Students will know the structure and state of Indian economy, emerging challenges for economy, different sectors and sectoral growth. Students will get the knowledge of reasons for slow growth, problems of the sectors and different solution strategies.
- 2. **Intellectual Skills:-**Students will identify the situation of Indian Economy, better evaluate and understand the data and problems related to different indicators of growth of countries economy. Students will intellectually search solutions for different types of problem of whole economy.
- Practical Skills:-Dealing with different types of data and problems of economy, students will become aware of state problems. They can be evaluated the solutions, paths for development of the economy.

4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique to evaluate economy growth, different sector contribution and role of different sectors in the growth of any other economy.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Calculus II Semester: II

Course Objectives:

This course introduces the student to integral calculus with the techniques of integration and application of integration to physical problem.

Course Outcomes:

A. Knowledge and Understanding:

- Extend the concept of integrals to a variety of applications, establishing several integration
- Use a variety of mathematical techniques to evaluate integrals
- Develop problem solving skills through diverse applications of the integral
- Analyze the parameterization of curves and the polar coordinate system

B. Intellectual(cognitive/Analytical) skills:

- Examine various techniques of integration and apply them to definite and improper integrals,
- Approximate definite integrals using numerical integration techniques and solve related problems,
- Model physical phenomena using partial differential equations,-
- Compute limits of, differentiate, integrate and solve related problems involving functions represented parametrically or in polar coordinates,

- Differentiate, and integrate functions represented using power series expansions, including Taylor series, and solve related problems.

C. Practical skills:

Students will be able to:

- Evaluate iterated integrals and switch the order of integration.
- Find volumes of solids by calculating appropriate double integrals in rectangular and polar coordinates.
- Find surface area using a double integral.
- Evaluate triple integrals and use them to find volumes in rectangular, cylindrical and spherical coordinates.
- Use a Jacobian to make a change of variables in a double integral.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Calculus and Differential equations II Semester: II

Course Objectives:

This course provides an introduction to topics involving calculus and ordinary differential equations. Both Calculus and Differential equations have applications in all areas of applied Sciences and engineering. Upon completion, students will be able to understand the applications of differential and integral calculus and also demonstrate understanding of the theoretical concepts and select and use appropriate techniques for finding solutions to differential equations.

Course Outcomes:

A. Knowledge and Understanding:

-Write the definition of indefinite and definite integrals.

-Define the integral of the inverse trigonometric and hyperbolic functions.

-State the Fundamental theorem of calculus

-Find general solutions to first order, second order and higher order homogeneous and nonhomogenous differential equations with constant and variable coefficients.

-find the series solution of differential equation

B. Intellectual(cognitive/Analytical) skills:

-Evaluate Indefinite integral involving hyperbolic functions and Definite integral of all the functions.

-Sketch the graph of curves (Cartesian and parametric co-ordinates)

-Calculate areas of plane regions and arc length.

- Select and apply appropriate methods to solve differential equations.

-Apply power series method to find solution of Differential equations involving Bessel and Legendre equations.

- Use fundamental theorem of calculus to evaluate integral involving algebraic and transcendental functions.

C. Practical skills:

-Present mathematics to others, both in oral and written form clearly and in a well organized manner.

- Have the ability to carry out complex calculations orally and mentally.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Analysis Semester: III

Course Objectives:

The aims of this course are to develop an understanding of convergence in its simplest setting to explain the difference between the sequence and series in the mathematical context to lay foundations for further investigation of infinite processes, in particular differential and integral calculus.

Learning outcomes:

A. Knowledge and Understanding:

Students will have

- An ability to work within an axiomatic framework.

- Knowledge of some simple technique for testing the convergence of sequences and series and confidence in applying them.

- An understanding of how the elementary functions can be defined by power series with an ability to deduce some of their easier properties.

B. Intellectual(cognitive/Analytical) skills:

- Express correctly the definitions of basic concepts from the course unit, for example the definition of the limit of a sequence.

- Decide on the correctness or otherwise of statements involving the basic concepts from the course unit, providing justifications or counter examples as appropriate.

C. Practical skills:

- Decide on convergence or divergence a wide class of series of real numbers or power series with real coefficient.

- A detailed understanding of how Cauchy's criterion for the convergence of real sequences and series follows from the completeness for R and the ability to explain the steps in standard mathematical notation.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Analytical Geometry Semester: III

Course Objectives:

The aim of this course is to introduce the geometry of lines and conics in the Euclidean plane. Students can develop geometry with a degree of confidence and will gain fluency in the basics of Euclidean geometry. In this course, foundational mathematical training is also pursued. Curves studied include straight lines, ellipse, parabolas, hyperbolas and sphere. The course assumes a sound background in algebra, geometry and trigonometry.

Course Outcomes:

□ Knowledge and Understanding:

Students will be able to:

- Parameterize curves.
- Evaluate the distance and angle.
- Sketch conic sections.
- Identify conic sections.
- Classify quadratic equations.

□ Intellectual (cognitive/Analytical) skills:

On completion of this module, students should be able to:

- Establish rectangular coordinate system in the plane and in the space, express concept of vector both geometrically and analytically, understand operations on vectors and the properties of these operations.

- Estimate polar equations of conics and their graphs.
- Study of conics like ellipse, parabola and hyperbola.
- Express condition of parallel or perpendicular of the two lines.

Practical skills:

- Define conics and draw the graphs of conics such as ellipse, hyperbola, parabola and ellipse.

- Use the polar coordinate system, relate it to the rectangular coordinate system and graph equations using polar coordinates.

- Model real world situations with equations of conics.
- Determine equation of curves when given information that determines the curve.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Statics and Vector Calculus Semester: IV Course Objectives: This Course introduces the student to review vector arithmetic, distinguish point and vectors, relate geometric concepts to their algebraic representation, describe point, line, and planes, use the dot product and cross product and their applications in Graphics. In Statics, we deal with equilibrium of bodies under action of forces (bodies may be either at rest or move with a constant velocity)

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to:

- Identify conservative vector fields.
- Find the divergence and curl of a vector field.
- Evaluate line integrals of curves and vector fields.
- Use Green's theorem to evaluate line integrals.
- Gradient vector fields and constructing potentials

B. Intellectual(cognitive/Analytical) skills:

On completion of this module, students should be able to:

a) calculate vector and scalar derivatives of vector and scalar fields using the grad, div and curl operators in Cartesian and in cylindrical and spherical polar coordinates; b) Use suffix notation to manipulate Cartesian vectors and their derivatives; c) calculate multiple integrals in two and three dimensions including changing variables using Jacobians. d) Calculate line and surface integrals and use the various integral theorems.

Undertake the analysis of symmetric beams under vertical loads and torsion of cylindrical shafts

C. Practical skills:

- The integral ideas of the functions defined including line, surface and volume integrals - both derivation and calculation in rectangular, cylindrical and spherical coordinate systems and understand the proofs of each instance of the fundamental theorem of calculus.

- Examples of the fundamental theorem of calculus and see their relation to the fundamental theorems of calculus in calculus leading to the more generalised version of Stokes' theorem in the setting of differential forms.

- The differential ideas of divergence, curl, and the Laplacian along with their physical interpretations, using differential forms or tensors to represent derivative operations.

Course Name: International Economics and Public Finance

Programme : B.A / B.Sc. (Economics) Semester :IV

Objectives of the course:

This course aims at making students understand the meaning and importance of international trade. Students will be able to distinguish between fixed and flexible exchange rates and reasons of fluctuation in these rates. Students will also be made to understand the meaning and components of balance of payments. Students will understand about taxation, public debt ,public expenditure etc.

Course Outcomes:

Knowledge and understanding:

Students will

Know how to define various elements of international trade.

Understand and explain the basic concepts associated with international trade and public finance.

Intellectual skills

Students will be able to

Define various terms related to international Economics and public finance.

Think critically about the different theories of international trade

Practical skills

Students will learn to:

Draw diagrams to show relations between different variables

Analyze the actual situation of country's trade, BOP, exchange rates, taxes, public expenditure etc.

Quantitative Methods for Economists

Programme: B.Sc. Economics/B.A. Semester: VI

Objective of the course:-

This course aims at provide students the knowledge of statistical and mathematical techniques to analysis data. It enabled the students to use these methods as a tool in government, private business firms and research agencies. These statistical methods are used in forecasting, controlling and exploring data.

Course outcomes:-

- 1. **Knowledge and understanding:** Students will understand the scope and categories of the subjects. Students will know the techniques of data collection and the techniques and methods to apply and evaluate the result of economic variables and their relationships.
- Intellectual Skills:-Students will able to understand and apply the methods to test the validity of economic theories. They can further use the techniques for research purpose. They can also forecast the future values. Students can get the knowledge of techniques that is how to apply different techniques and different formulas and their applicability on different types of data.
- 3. **Practical Skills**: Students will be familiar with Quantitative methods and their application on economic variables. Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic theory and variable.
- 4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique. They will be able to use stastiscal and mathematical

techniques for economic variables for evaluation, to test validity of economic theory and forecast future values.

Class: B.Sc.(Non Medical/Computer Science/Economics)/B.A

Course: Dynamics Semester: V

Course Objectives:

This course aims to equip the student with fundamental knowledge of dynamics of machines so that student can appreciate problems of dynamic force balance, transmissibility of forces, isolation of systems and vibrations. The overall objective of this course is to learn how to analyze the motions of mechanisms, design mechanisms to have given motions and analyze forces in machines.

Learning outcomes:

A. Knowledge and Understanding:

Students will be able to

- Understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.

- Understand and use basic terms for the description of the motion of particles, vector functions and the fundamental laws of Newtonian mechanics.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

- understand the concept of terminal speed, and use it in solving mechanics problems in one dimension

B. Intellectual(cognitive/Analytical) skills:

- Analyze the applications of mathematics to the problems in physics & develop suitable mathematical method for such application.

- Solve problems relating to the motion of a projectile in the absence of air resistance

C. Practical skills:

- Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Number theory Semester: V

Course Objectives:

The objective of this course is the study of basic structure and properties of integers. Learning number theory helps improving one's ability of mathematical thinking. The objectives for this course are to expose students to this beautiful theory, to understand what inspired this quote from Gauss and to allow students to experience mathematics as a creative, empirical science.

Learning Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Explore the use of arithmetical functions, the Mobius function and the Euler totient function.

- Solve systems of linear congruences with different moduli using the Chinese Remainder Theorem.

- Prove results involving divisibility and greatest common divisors.

-

B. Intellectual(cognitive/Analytical) skills:

- Enchance and reinforce the student's understanding of concepts through the use of technology when appropriate.

- Apply Euler-Fermat's Theorem to prove relations involving prime numbers.

C. General skills:

- Analyze the structure of real-world problems and plan solution strategies.

- Communicate quantitative data verbally, graphically, symbolically and numerically.

- Use mathematical concepts in problem-solving through integration of new material and modeling.

Subject: Development Economics Class: B.Sc. Economics Semester – V

Course outcomes:

A) Learning outcomes:

□ Develop the ability to explain core economic terms, concepts and theories related to development of an economy.

□ Demonstrate the ability to employ different policies to realize the growth objectives.

B) Knowledge and understanding: Students

□ Have knowledge of conceptual models of Economic Development.

 \Box Have knowledge to policy determinants in the development of an economy.

C) Intellectual (Cognitive/ Analytical) Skills: Students

□ Have deeper understanding of economic situation of an economy on different parameters and variables, and have the opportunity identify the relationship between the different economic variables for further used for policy making.

D) Practical skills: Students

 \Box Have ability to use the development parameters to accelerate the growth of an economy.

- \Box Have expertise to the analysis the development level of the different economies.
- \Box Can gain knowledge related to different policies to develop the economy.

E) Transferable skills: Students will develop transferable skills of

- \Box Can develop the development policy under different economic problems.
- \Box Can compare the data and different development indexes of the world economies.
Course Name: Quantitative Methods for Economists

Programme: B.Sc. Economics/B.A. Semester: VI

Objective of the course:-

This course aims at provide students the knowledge of statistical and mathematical techniques to analysis data. It enabled the students to use these methods as a tool in government, private

business firms and research agencies. These statistical methods are used in forecasting, controlling and exploring data.

Learning outcomes:-

1. **Knowledge and understanding:** - Students will understand the scope and categories of the subjects. Students will know the techniques of data collection and the techniques and methods to apply and evaluate the result of economic variables and their relationships.

2. **Intellectual Skills:**-Students will able to understand and apply the methods to test the validity of economic theories. They can further use the techniques for research purpose. They can also forecast the future values. Students can get the knowledge of techniques that is how to apply different techniques and different formulas and their applicability on different types of data.

3. **Practical Skills**: - Students will be familiar with Quantitative methods and their application on economic variables. Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic theory and variable.

4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique. They will be able to use stastiscal and mathematical techniques for economic variables for evaluation, to test validity of economic theory and forecast future values.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Numerical Analysis Semester: VIth

Course Objectives:

This course aims to provide a first approach to the subject of algebra, which is one of the basic pillars of modern mathematics. The focus of the course will be the study of certain structures called groups, rings, fields and some related structures. Abstract algebra gives to student a good mathematical maturity and enables to build mathematical thinking and skill.

Course Outcomes:

A. Knowledge and Understanding:

Students will know how

- Solve an algebraic or transcendental equation using an appropriate numerical method.

- Approximate a function using an appropriate numerical method.

- solve a differential equation using an appropriate numerical method

- evaluate a derivative at a value using an appropriate numerical method

- code a numerical method in a modern computer language

B. Intellectual(cognitive/Analytical) skills:

- Derive numerical methods for approximating the solution of problems of continuous mathematics,

- Analyze the error incumbent in any such numerical approximation,

- Implement a variety of numerical algorithms using appropriate technology.

- Compare the viability of different approaches to the numerical solution of problems arising in roots of solution of non-linear equations, interpolation.

- And approximation, numerical differentiation and integration, solution of linear systems.

C. Transferable skills:

- solve a linear system of equations using an appropriate numerical method

- Problem solving and Analytical skills
- Be able to develop numerical literacy
- Social responsibility and global citizenship skills

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Linear Algebra Semester: VI

Course Objectives:

Algebraic structures -- such as groups, rings, and fields -- are pervasive in mathematics. This course focuses on (commutative) rings, which are sets equipped with two (commutative) operations (called addition and multiplication), and that contain an additive identity and an additive inverse for each element of the set. A fundamental example of a ring is \mathbf{Z} , the set of

integers; other important examples include Q, Z modulo n, and Q[X], which is the set of polynomials in X with rational Coefficients.

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Develop an understanding of linear algebra in mathematics, natural and social sciences.

- Use matrix algebra to analyze and solve equations arising in many applications that require a background in linear algebra.

- Utilize vector space terminology and describe how closely other vector spaces resemble Rn.

B. Intellectual(cognitive/Analytical) skills:

- Demonstrate factual knowledge of the fundamental concepts of spanning, linear independence, and linear transformations.

- Acquire communication and organizational skills, including effective written communication in their weekly assignments.

- Use visualization, spatial reasoning as well as geometric properties and strategies to mode, solve problems and view solutions especially in R2 and R3.

C. General skills:

- Apply mathematical methods involving arithmetic, algebra, geometry and graphs to solve problems.

- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

- Interpret and analyze numerical data, mathematical concepts and identify patterns to formulate and validate reasoning.

Subject: Q.T.(Econometrics) Class: B.Sc. Economics Semester – VI Course outcomes:

5. Learning outcomes:

□ Develop the ability to evaluate and can learn to apply different econometrics techniques.

 \Box Develop the ability to forecast the economic situation based on the data.

6. Knowledge and understanding:

 \Box Students will understand the scope and categories of the subjects.

□ Students will know the techniques of data collection and models of econometrics to apply and evaluate the result of economic variables and their relationships

7. Intellectual Skills:

 \Box Students will able to understand and apply the model to test the validity of economic theories, quantitative and qualitative and further can use the models for research purpose. They can also forecast the future values.

8. Practical Skills:

□ Students will be familiar with econometrics problems

 \Box detection tests for detecting the econometrics problem,

□ Consequences of econometrics problems and remedial measures to remove the emerging problem.

□ Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic variables.

9. Transferable Skills:

□ Students will able to analysis the data and economy and can apply any quantitative research technique.

□ They will be able to use econometrics techniques for economic variables for evaluation, to test validity of economic theory and magnitude, and predict the future values

Class : B.A. TABLA Semester: I

<u>OBJECTIVES</u> : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of Laya and Talas in classical , light and folk music of India. It also gives the practical training to performing on stage with different types of Indian music .

<u>CONTENT</u>: The course provides deep study of Indian Classical Percussion Music. It defines the study of formation of Taals . This course also explores the relation between Tabla and Dance. It also tells about the role of Tabla in Gurmat Sangeet

Course outcomes

A.KnowledgeandUnderstanding

- . To study of Percussion Instruments.
- . To understsand relation between Tabla and Dance.
- . To studies about 10 Prans of Taal.
- . Role of Tabla in Gurmat Sangeet.

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the present form of Tabla in music.
- . Comparative study of Teen Taal and Tilwada.
- . Analyze the study of different gharanas of Tabla.

C. Practical Skills

- . Tuning of Tabla.
- . Abilty to play nagma on Harmonium in different taals.
- . Knowledge of taals Teen Taal and Tilwada
- . Abilty to play Teen Taal with vocal and instrument music.

D.Transferable skills

- . Use of tabla with dance.
- . Techniques of Sangat.
- . Detailed study of Gharanas.
- . Abilty to compose Kayedas.

Course : Music Vocal Class: B.A. Semester: I

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage, train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

• Recitation of suhag

- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. <u>Transferable Skills</u> :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

Paper: TABLA

Class: B.A. Semester: II

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of Laya and Talas in classical , light and folk music of India. It also gives the practical training to performing on stage with different types of Indian music .

CONTENT : The course provides deep study of Indian Classical Percussion Music. It defines that how to use different types of instruments, taals, boles and also tought the students the meaning of different words which we use in classical percussion music language . This course also explores the playing style of Delhi and Ajrada Gharanas of Tabla.

Course outcomes

A.Knowledge and Understanding

- .To understand Percussion instrument.
- . Study of basic components of Tabla.

- . Knowledge of Different parts of the Tabla.
- . Different types of Lyakaries.

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas
- . Comparative study of different Talas
- . Analyze the study of Musicologists

C. Practical Skills

- . Placement of fingers on Tabla.
- . Correct and fine sound production.
- . Knowledge of taals used in light and folk music
- . Making of composition of Talas

D.Transferable skills

- . Use of Layakari .
- . Techniques of perestation
- . Compare the study of Gharanas
- . Making of different Tihayis

Subject: Music Vocal

Class: B.A. Semester: II

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage, train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Content:

The course provides the basic knowledge about the historical development of Indian Music during vedic period. To define and explain the different musical term i.e Raga, Thata, Vadi, Samvadi etc. It also explain the salient features of time theory of the Indian Music and to focus on Ragas like kalyan, asawari, kafi. It also provides the brief knowledge about the life history, contributions and achievements of different musicians.

Course Outcomes:

Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

Course: TABLA Class : B.A. Semester: III

<u>OBJECTIVES</u> : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes

A.Knowledge and Understanding

.To understand the characteristics of tabla vadak .

- . To understand the characteristics of sangatkar
- . Study on place of tabla in khayal gayan shally.
- . Knowledge of Different context like shaan, sath, and jori.

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the relation of different Talas
- . Comparative study of different gharanas
- . Use of tabla in music therapy .
- . Difference between paran and chakardar paran.

C. Practical Skills

- . How to do sath sangat.
- . Abilty to play saath k bol.
- . Use of compositions of Gurmat Sangeet.
- . Knowledge of relation between taals having same matras.

D.Transferable skills

- . Use of Layakari .
- . Techniques of playing tabla with slow khayal.
- . Compare the study of jhaptaal and sooltaal
- . Making of paran and chakardar paran

Course : Music Vocal Class : B.A. Music Vocal Semester: III

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

A.Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions

• To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Tuning of tanpura
- Ability to sing Vilambit and Drut khayal
- How to play different notation of Ragas on harmonium.
- Ability to play talas on table i.e –Ektal and Sooltaal
- Practice of the Ragas having same notes.

D. <u>Transferable Skills</u> :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

Subject: TABLA

Class: B.A. Semester: IV

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

CONTENT : The course provides deep study of Indian Classical Percussion Music. It also helps the students to grasp the knowledge of the rest of the taal styles of Indian/South/Rabindra sangeet music .The course also explores the technique to play the different styles of Purab-Baj(Lucknow, Farukhabad, Banaras) Gharana and different types of layakaries used in these Gharanas.

Course outcomes

A.Knowledge and Understanding

- .To understand the folk percussion instrument.
- . Study of basic components of Tabla.
- . Knowledge of Different gharanas of Purab Baaj.

.Knowledge of rabindra sangeet tala system.

. Impact of Tabla in human behavior

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas
- . Comparative study of different gharanas
- . Brief study of Musicologists

C. Practical Skills

- . Placement of fingers on Tabla.
- . Correct and fine sound production.
- . Use of compositions of different gharans and famous musicologist
- . Knowledge of talas composed by Rabindra Nath Tagore

D.Transferable skills

- . Use of Layakari.
- . Techniques of perestation
- . Compare the study of Gharanas

. Making of different Tihayis

Subject: Music Vocal Class: B.A. Semester: IV

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

A.Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

Course : TABLA Class : B.A. Semester: V

<u>OBJECTIVES</u> : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes A.Knowledge and Understanding

.To understand the historical devolpment of tabla.

- . Study of south Indian taal system .
- . Knowledge of taal kachari.

.Knowledge of accompaniment of table with different singing style.

. knowledge about the place of tabla in fusion music

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas.
- . Study of electronic instruments used in music.
- . Analyze the study of Partaal gayan shally.

C. Practical Skills

- . Perfoming tabla as a solo instrument on stage.
- . Plying style of Pakhwaj.
- . Playing tabla with Shaan according to Gurmar Sangeet.
- . Use of tabla in fusion music

D.Transferable skills

- . Use of different Layakaries .
- . Techniques of sound production.
- . Compare the study of different taals
- . Ability to play Pakhwaj
- . Making of different bols like kayda, paran, tukda, tihai.

Course : Music Vocal

Class : B.A. Semester: V

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

A.Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory

- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of shabads in prescribed ragas
- Ability to sing Vilambit and Drutkhayal in raag darbari, tilang and kedar
- How to play different notation of Ragas on harmonium.
- Ability to play Deepchandi and Tilwara tala on tabla.
- Practice of the Ragas having same notes.

D. <u>Transferable Skills</u> :

Students will be able to

- Improvisation of different singing styles
- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

Subject : TABLA

Class: B.A. Semester: VI

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion instruments. The use of different components related to Tabla. It also gives the practical training to the performers to perform on stage confidently. It also helps the human in changing their behavior and life style.

Course outcomes

A.Knowledge and Understanding

.To understand the Western percussion instrument.

. Study of talas used in Gurmat Sangeet

. Knowledge of Different talas having odd numbers.

.Knowledge of accompaniment of table with different singing style.

. knowledge of rhythm , emotions and mood

B. Intellectual(Cognitive/ Analytical) Skills :

- . To analyze the components and Lyakaries of different Talas
- . Comparative study of different gharanas

Analyze the study of Musicologists

C. Practical Skills

- . Perfoming tabla as a solo instrument on stage.
- . Correct and fine tuning of tabla on different scales.
- . Use of compositions of different gharans and famous musicologist
- . Knowledge of talas composed for gurmat sangeet

D.Transferable skills

.Use of different Layakaries .

- .Techniques of presentation
- .Compare the study of Gharanas

.Making of different bols like kayda, paran, tukda, tihai.

.Ability to play talas used in Maseet khani gats and Vilambit khayals

Subject: Music Vocal Class: B.A. Semester: VI

Objectives of the Course:

The aim and objective of the course is to provide the proper training of the various fields of Indian Music: Classical Music, Light Music, Folk Music, and Devotional Music for direction, composition, performance, teaching and to encourage ,train the participation of students in various music competitions at district and state level for students to give them right exposure

Course Outcomes:

A.Knowledge and Understanding :

- To teach the student theoretical & practical concepts specifically relating to music vocal covering voice, tone, tempo and rhythm skills.
- Teaching instrumental techniques, scales ,sight reading and music theory
- Teach students with the help of lectures, demonstrations, assignments, group Discussions & competitions
- To evaluate the performance of students by assignments, tutorials & practical tests

B. Intellectual(Cognitive/ Analytical) Skills :

- Recognizing the different swars.
- Ability to recognize the different talas played on tabla..
- Compares the Ragas having same notes.

C. Practical Skills

- Recitation of suhag
- Ability to sing Vilambit and Drutkhayal
- How to play different notation of Ragas on harmonium.
- Ability to play five alankaars based on Thatas
- Practice of the Ragas having same notes.

D. Transferable Skills :

Students will be able to

• Improvisation of different singing styles

- Presentation of techniques
- Explore Voice culture
- Stage performance techniques

B.Sc. Non – Medical

Program outcome, B. Sc. Non-Medical

- 1. Demonstrate, solve and understanding of major concepts in different disciplines of Nonmedical i.e. Physics, Chemistry and Mathematics.
- 2. Think scientifically and draw a logical conclusion and solve problems independently.
- 3. Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of the experiments.
- 4. Use modern techniques, lab equipment to have experiment knowledge about subject.

Program specific outcomes B. Sc. Physics

On the completion of the B. SC. Non-Medical the students are able to:

- 1. Develop scientific attitude and temperament and give emphasis on the development of experimental skills, data analysis, calculation, measurements and also on the limitations and precautions about the experimental method data and results obtained.
- 2. Understand the conceptual development of the subject and its application in emerging areas of Physic , Chemistry and Mathematics
- 3. Understand the scientific theories and its relevance in present context.
- 4. Study mathematical tools to solve the problems in various branches in Physics
- 5. To enhance experimental skill through experiments in diverse fields.

ਕੋਰਸ ਦਾ ਨਾਂਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸਬੀ ਏ/ਬੀ ਐੈਸੱ ਸੀ/ਬੀ ਕੈਮ ਬੀ ਸੀ ਏ/ਬੀ ਐੈਸ ਈ ਆਈ ਟੀ/

ਬੀ ਵੈਕ⁄ਬੀ ਅੈਮ ਅੈਮ⁄ਬੀ ਜੇ ਅੈਮ ਸੀ ਸਮੈਸਟਰਪਹਿਲਾ

ਕੋਰਸ ਦਾ ਉਦੇਸ਼

* ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਨੀ ਅਤੇ ਲਿਖਣੀ ਸਿਖਾਉਣੀ

* ਵਿਆਕਰਣ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਬਾਰੇ ਦੱਸਣਾ

* ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ

* ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕਰਨਾ

* ਸੰਵਾਦ ਰਚਾਉਣ ਦੇ ਯੋਗ ਬਣਾਉਣਾ

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਅਾਂ ਪ੍ਰਾਪਤੀਅਾਂ ਦੀਅਾਂ ਸੰਭਾਵਨਾਵਾਂ

(ੳ) ਬੌਧਿਕ ਹੁਨਰ

* ਸ਼ੁੱਧ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਲਿਖਣ ਅਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋਣਾ

* ਵਿਆਕਰਨ ਬਾਰੇ ਗਹਿਰਾਈ ਨਾਲ ਜਾਣਕਾਰੀ ਹੋਣਾ

* ਮੁਹਾਵਰੇ ਅਤੇ ਅਖ਼ਾਣ ਦਾ ਅੰਤਰ ਪਤਾ ਹੋਣਾ

* ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀਆਂ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਦੀ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ਅ) ਅਮਲੀ ਹੁਨਰ

* ਮਾਤ ਭਾਸ਼ਾ ਪ੍ਰਤੀ ਸਤਿਕਾਰ ਦੀ ਭਾਵਨਾ

* ਵਿਆਕਰਨ ਦੇ ਨਿਯਮਾ ਸਮਝਣ ਦੀ ਯੋਗਤਾ

* ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਪੜ੍ਹਨ ਅਤੇ ਲਿਖਣ ਦੀ ਯੋਗਤਾ

* ਈ-ਸਰੋਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ੲ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ 'ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

* ਸ਼ੁੱਧ ਸੰਚਾਰ ਕਰਨ ਦੀ ਯੋਗਤਾ

* ਟੀਮ ਵਰਕ ਦੀ ਯੋਗਤਾ

* ਚੰਗੀ ਲੀਡਰਸ਼ਿਪ ਦੀ ਯੋਗਤਾ

* ਸਮਸਿਆਵਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਹੱਲ ਕਰਨ ਦੀ ਯੋਗਤਾ

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ: ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- 4. ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

Course Name – English Compulsory

BA/B.com/B.Sc. SEMESTER I

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense • Be in the present tense • Singular/plural forms of regular nouns • Parts of speech

LITERATURE

Understand a basic paragraph • Scan for specific words in a text • Know most sound-to-letter correspondences • Write sentences using a limited vocabulary • Write a paragraph using a limited vocabulary • Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding:

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning

- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately

• Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- Digital copywriter
- Editorial assistant
- English as a foreign language teacher
- Lexicographer
- Magazine journalist
- Newspaper journalist
- Publishing copy-editor/proofreader
- Secondary school teacher
- Web content manager
- Writer

Transferable Skills :

- Setting schedules and working under deadline The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.
- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- Taking constructive criticism or "agreeing to disagree Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different

from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

Paper Name: Electricity and Magnetism

Class: B.Sc. (Non Med and C.Sc.) Semester: 1st

Objectives of the Courses:

Provide the student with a broad spectrum of physics courses.
 Emphasize the role of physics in life and other discipline (Chemistry, Mathematics and Biology).

3. To cultivate skills at formulating and solving physics problems.

4. To develop familiarity with physical concepts and mathematical relations of electromagnetism.

5. Provide the student with different practical, intellectual and transferable skills.

Course Outcomes:

A. Knowledge and Understanding:

Students will:

- Know how to define a various branches of Electricity and Magnetism.
- Understand and explain the basic concepts associated with the electric and magnetic field (e.g. Boit Savort Law, Implications of Maxwell equations, Gauss Law and other important laws of Electricity and Magnetism)
- Students will be able to understand basis of electricity and how does the things change in different situations.

B. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Think critically about the theories of physics.
- Think critically about the contribution of various scientists in the particle world.
- Identify the different relations of momentum, energy, velocities etc.

- Think critically about the Maxwell relations.
- Think critically about the use of physics in our daily life.

C. Practical Skills:

Students will learn to:

- To practically demonstrate about applications of Faraday's law.
- To learn about Electricity and Magnetism and their applications.

D. Tranferable skills:

Students will be able to:

- Use concepts of physics more effectively.
- Learn to think more creative as well as comparatively.
- Project Planning.
- Problem solving

Paper Name: Mechanics

Class: B.Sc. (Non Med and C.Sc.) Semester: 1st

Objectives of the Courses:

Provide the student with a broad spectrum of physics courses.
 Emphasize the role of physics in life and other discipline (Chemistry, Mathematics and Biology).

3. To cultivate skills at formulating and solving physics problems.

4. To develop familiarity with physical concepts and mathematical relations of electromagnetism.

5. Provide the student with different practical, intellectual and transferable skills.

Course Outcomes:

E. <u>Knowledge and Understanding:</u>

Students will

- Understand basics formalism of Mechanics and its implications.
- Understand Fouacult's Pendulum and motion of rigid bodies.
- Students will be able to understand motion of centre of mass.

F. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Think critically about the theories of physics.
- Think critically about the contribution of various scientists in the particle world.
- Identify the different relations of momentum, energy ,velocities etc.
- Think critically about the use of physics in our daily life.

G. Practical Skills:

Students will learn to:

- Study the characterizations of various applications of Ampere's Law
- To study the rigid body motions.
- To Understand behavior of Coupled Oscillator.

H. Tranferable skills:

Students will be able to:

- Use concepts of physics more effectively.
- Learn to think more creative as well as comparatively.
- project planning
- Problem solving

Course Name CHEMISTRY (INORGANIC CHEMISTRY–I)

Class: B.Sc (Medical & Non-Medical)

Semester: I

Objective of the course:

- This course is intended to provide the students an in-depth understanding of the basic concepts of Inorganic Chemistry.
- To know the atomic structure, arrangement of elements in the periodic table and the periodic properties.
- To identify the nature of chemical bond as well as the existence of special types of compounds through weak chemical forces.

Course Outcomes:

- Acquire knowledge and understanding of essential facts, concepts, principles and theories relating to the Inorganic Chemistry.
- > To develop skills to evaluate, analyze and solve problems competently.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course Name CHEMISTRY (ORGANIC CHEMISTRY-I)

Class: B.Sc (Medical & Non- Medical)

Semester I

Objective of the course:

- 1. This course is intended to provide the students an in-depth understanding of the basic concepts of Organic Chemistry.
- 2. To understand the structure and bonding of organic compounds.

- 3. To know the method of naming and preparation of organic compounds, stereochemistry and the mechanism of organic reactions.
- 4. To understand the stereochemistry of aliphatic and aromatic hydrocarbons.

Course Outcomes:

- This course will equip the students with the necessary chemical knowledge concerning the fundamentals in the basic areas of Organic chemistry.
- > To develop skills to evaluate, analyze and solve problems competently.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Class: B.Sc(Non Medical/Computer Science/Economics)/B.A

Course: Algebra Semester: I

Course Objectives:

The course on Algebra deals with advance topics on matrices viz. rank, eigen values, eigen vectors and homogeneous and non homogeneous systems, solution of cubic and bi-quadratic equations.

Course Outcomes:

A. Knowledge and Understanding:

- Understand all basic fundamentals of Matrices and vectors
- Learn to find rank of a matrix.
- Learn to solve linear system of equations (homogeneous and non homogeneous)
- Increasing Knowledge of the basic concepts of equations.
- Aware of a variety learning aids that can be used in the teaching of solving equations.
- Know how to transform the equation.

- Understand to solve cubic and bi-quadratic equations using cardon , Descarte and Ferrari's method.

B. Intellectual(cognitive/Analytical) skills:

- Use the basic concepts of matrix algebra and vector, including linear dependence/independence, rank and nullity, for analysis of matrices and systems of linear equations.
- Use the characteristic polynomial to compute the eigen values and eigen vectors of a square matrix and use them to diagonalise matrices when this is possible; discriminate between diagonalizable and non- diagonalizable matrices.
- Orthogonally diagonalise symmetric matrices and quadratic forms.

C. <u>General skills:</u>

- Use questioning and explanation strategies to help students learn new concepts and to support students in their problem solving activities.
- Apply mathematical methods involving arithmetic, algebra to solve problems.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

ਕੋਰਸ ਦਾ ਨਾਮ : ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ ਸਮੇਸਟਰ –ਦੂਜਾ

 ਕੋਰਸ ਦਾ ਉਦੇਸ਼ :- ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਮੁੱਢਲਾ ਗਿਆਨ ਦੇਣਾ ਜਿਸ ਨਾਲ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਰੂਪ ਵਿਚ ਉਚਾਰਨ ਤੇ ਵਿਆਕਰਣ ਬਾਰੇ ਮੁੱਢਲੇ ਤੌਰ ਤੇ ਚੰਗੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰ ਸਕੇ। ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ ਬਾਰੇ ਦੱਸਦੇ ਹੋਏ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆ ਦੀ ਪਹਿਚਾਣ ਅਤੇ ਵਰਤੋਂ, ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ

ਇਸ ਨਾਲ ਵਿਦਿਆਰਥਅੀਆਂ ਦੇ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।

ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਤੇ ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ।

3) ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਪੰਜਾਬੀ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਕਾਰੀ ਤੇ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਵਿਚ ਕਾਮਯਾਬ ਹੋਣਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਅੰਦਰ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਸਿਖਣ ਤੇ ਸਮਝਣ ਦਾ ਹੌਸਲਾ ਹੋਰ ਵਧੇਗਾ।

4) ਬੱਚੇ ਆਪਣੀ ਮਾਂ-ਬੋਲੀ ਬਾਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਨਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਸ਼ਬਦਾਵਲੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ :

 1) ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸਹੀ ਰੂਪ ਵਿਚ ਸਮਝ ਸਕਣਗੇ ਅਤੇ ਉਸ ਬਾਰੇ ਖੁਦ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਰਾਹੀਂ ਸ਼ਬਦ ਜੌੜ, ਵਾਕ ਨੂੰ ਸਹੀ ਰੂਪ ਵਿਚ ਬਣਾ ਸਕਣਗੇ।

ਤ) ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਤੇ ਸੱਭਿਆਚਾਰ ਨਾਲ ਜੁੜਣਗੇ।

ਅਮਲੀ ਹੁਨਰ (Practical skill)

 ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸ਼ਬਦ ਜੌੜ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ, ਵਾਕ ਬਣਤਰ, ਨਾਵ-ਪੜਨਾਂਵ ਨੂੰ ਚਾਟ ਦੀ ਸਹਾਇਤਾ ਨਾਲ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

 ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਲਈ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨਾਲ ਜੁੜੀਆਂ ਵੈਬਸਾਇਟ ਨਾਲ ਸਾਂਝ ਪਵਾਈ ਜਾਵੇਗੀ

3) ਬਲੈਕ ਬੋਰਡ ਜਾਂ ਚਾਰਟ, ਨੋਟ ਬੁੱਕ ਉਪਰ ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਸਬੰਧ, ਯੋਜਕ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਆਦਿ ਦਾ ਵਰਗੀਕਰਨ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

ਵਿਰਿਆਰਥੀ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ ਸਮੇਂ ਉਪਰ ਸਵਾਲ ਜਵਾਬ ਕੀਤੇ ਜਾਣਗੇ। ਉਹਨਾਂ ਤੋਂ ਲਿਖਤ ਕਾਰਜ ਕਰਵਾਇਆ ਜਾਵੇਗਾ। ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉਪਰ ਬੋਲਣ ਜਾਂ ਚਾਰਟ ਤੇ ਬਲੈਕ ਬੋਰਡ ਦੀ ਸਹਾਇਤਾ ਰਾਹੀਂ ਉਹਨਾਂ ਦੇ ਹੁਨਰ ਨੂੰ ਪਰਖਿਆਂ ਜਾਵੇਗਾ।

ਭਾਸ਼ਾਂ ਦੇ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

1) ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

ਪੰਜਾਬੀ ਦੇ ਨਵੇਂ ਸ਼ਬਦਾਂ ਤੇ ਵਾਕਾਂ ਨੂੰ ਬਣਾਉਣ ਵਿਚ ਸਮੱਰਥ ਹੋਣਗੇ।

ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਨੂੰ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

ਵਿਦਿਆਰਥੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ -ਦੂਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u>: ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਨ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ । ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ । ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ ਬੌਧਿਕ ਅਤੇ ਸਰਬ-ਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਅਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।
- ਤੱਖ ਵੱਖ ਨਾਇਕਾਂ ਦੀਆਂ ਜੀਵਨੀਆਂ ਪੜ੍ਹ ਕੇ ਵਿਦਿਆਰਥੀ ਪ੍ਰੇਰਿਤ ਹੋਣਗੇ।

Paper Name: Vibrations and Waves

Class: B.Sc. (Non Med and C.Sc.) Semester: 2nd

Objectives of the Courses:

Provide the student with a broad spectrum of physics courses.
 Emphasize the role of physics in life and other discipline (Chemistry, Mathematics and Biology).

3. To cultivate skills at formulating and solving physics problems.

4. To develop familiarity with physical concepts and mathematical relations of vibration and waves.

5. Provide the student with different practical, intellectual and transferable skills.

Course Outcomes:

A. Knowledge and Understanding:

Students will:

- Know how to define various branches of Vibration and Waves.
- Understand and explain the basic concepts associated with Oscillation, simple harmonic oscillation, damped oscillations energy of oscillor(Mechanical and electrical), Waves.
- Students will understand and able to describe Oscillations and simple harmonic motion, and waves and standing waves.

B. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Think critically about the theories of physics.
- Think critically about the contribution of various scientists in the particle world.
- Identify the different relations of displacement, velocities, acceleration and energy etc.

- Think critically about the basic motion of every particle in the Universe i.e vibration
- Think critically about the use of physics in our daily life.

C. Practical Skills:

Students will learn to:

- To find the damping coefficient of a simple pendulum.
- To study Melde's experiment.
- To study Electrical oscillator.

D. Transferable skills:

Students will be able to:

- Use concepts of physics more effectively.
- Learn to think more creative as well as comparatively.
- Project planning.
- Develop Problem solving attitude.

Paper Name: Relativity and Electromagnetism

Class: B.Sc. (Non Med and C.Sc.) Semester: 2nd

Objectives of the Courses:

Provide the student with a broad spectrum of physics courses.
 Emphasize the role of physics in life and other discipline (Chemistry, Mathematics and Biology).

3. To cultivate skills at formulating and solving physics problems.

4. To develop familiarity with physical concepts and mathematical relations of electromagnetism.

5. Provide the student with different practical, intellectual and transferable skills.

Course Outcomes:

A. Knowledge and Understanding:

Students will:

- Know how to define a various branches of Relativity And Electromagnetism.
- Understand and explain the basic concepts associated with the electric and magnetic field (eg. Boit Savart Law and Ampere's Law and their applications)
- Students will understand and able to describe the difference between the particles travelling with speed f light and with velocity very smaller than the speed of light.

B. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Think critically about the theories of physics.
- Think critically about the contribution of various scientists in the particle world.
- Identify the different relations of momentum, energy ,velocities etc.
- Think critically about the Maxwell relations.
- Think critically about the use of physics in our daily life.

C. Practical Skills:

Students will learn to:

- Study the characterizations of various applications of Ampere's Law
- To study the variation of self and mutual inductance.

D. <u>Tranferable skills</u>:

Students will be able to:

- Use concepts of physics more effectively.
- Learn to think more creative as well as comparatively.
- project planning.
- Problem solving

Course Name CHEMISTRY (INORGANIC CHEMISTRY-II)

Class: B.Sc (Medical & Non-Medical)

Semester :II

Objective of the course:

- This course is intended to provide the students an in-depth understanding of the groups of elements in Inorganic Chemistry.
- > To know the periodic properties of s, p and d block elements.
- > To understand the physical and chemical properties of elements and their compounds.

Course Outcomes:

- Acquire knowledge and understanding of essential facts, concepts, principles and theories relating to the Inorganic Chemistry.
- > To develop skills to evaluate, analyze and solve problems competently.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course Name CHEMISTRY (Physical CHEMISTRY–I)

Class: B.Sc (Medical & Non- Medical)

Semester II

Objective of the course:

- 5. This course is intended to provide the students an in-depth understanding of the basic concepts of Physical Chemistry.
- 6. To understand the physical aspects of chemical reactions.
- 7. To know the methods of evaluating the physical parameters .
- 8. To understand the numerical concepts.

Course Outcomes:

- This course will equip the students with the necessary chemical knowledge concerning the fundamentals in the basic areas of Physiacl chemistry.
- > To develop skills to evaluate, analyze and solve problems competently.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Class: B.Sc. (Non Medical/Com	nputer Science/Economics)/B.A
Course: Calculus II	Semester: II

Course Objectives:

This course introduces the student to integral calculus with the techniques of integration and application of integration to physical problem.

Course Outcomes:

A. Knowledge and Understanding:

- Extend the concept of integrals to a variety of applications, establishing several integration
- Use a variety of mathematical techniques to evaluate integrals
- Develop problem solving skills through diverse applications of the integral
- Analyze the parameterization of curves and the polar coordinate system

B. Intellectual(cognitive/Analytical) skills:

- Examine various techniques of integration and apply them to definite and improper integrals,

- Approximate definite integrals using numerical integration techniques and solve related problems,
- Model physical phenomena using partial differential equations,-
- Compute limits of, differentiate, integrate and solve related problems involving functions represented parametrically or in polar coordinates,
- Differentiate, and integrate functions represented using power series expansions, including Taylor series, and solve related problems.

C. Practical skills:

Students will be able to:

- Evaluate iterated integrals and switch the order of integration.
- Find volumes of solids by calculating appropriate double integrals in rectangular and polar coordinates.
- Find surface area using a double integral.
- Evaluate triple integrals and use them to find volumes in rectangular, cylindrical and spherical coordinates.
- Use a Jacobian to make a change of variables in a double integral.

Department: Mathematics

Class: B.Sc (Non Medical/Computer Science/Economics)/B.A Course: Calculus and Differential equations II Semester: II

Course Objectives:

This course provides an introduction to topics involving calculus and ordinary differential equations. Both Calculus and Differential equations have applications in all areas of applied Sciences and engineering. Upon completion, students will be able to understand the applications of differential and integral calculus and also demonstrate understanding of the theoretical concepts and select and use appropriate techniques for finding solutions to differential equations.

Course Outcomes:

A. Knowledge and Understanding:

-Write the definition of indefinite and definite integrals.

-Define the integral of the inverse trigonometric and hyperbolic functions.

-State the Fundamental theorem of calculus

-Find general solutions to first order, second order and higher order homogeneous and non-homogenous differential equations with constant and variable coefficients.

-find the series solution of differential equation

B. Intellectual(cognitive/Analytical) skills:

-Evaluate Indefinite integral involving hyperbolic functions and Definite integral of all the functions.

-Sketch the graph of curves (Cartesian and parametric co-ordinates)

-Calculate areas of plane regions and arc length.

- Select and apply appropriate methods to solve differential equations.

-Apply power series method to find solution of Differential equations involving Bessel and Legendre equations.

- Use fundamental theorem of calculus to evaluate integral involving algebraic and transcendental functions.

C. Practical skills:

-Present mathematics to others, both in oral and written form clearly and in a well organized manner.

- Have the ability to carry out complex calculations orally and mentally.

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ ਸਮੈਸਟਰ: ਤੀਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- 5. ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- 6. ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੂਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- 5. ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਂਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- 5. ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੁਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ। ਕੋਰਸ ਦਾ ਨਾਂ – ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸ – ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ – ਤੀਜਾ

- ਕੋਰਸ ਦੇ ਉਦੇਸ਼: ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਬਾਰੇ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ ਹੈ ਤਾਂ ਜੋ ਉਹ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਪੜ੍ਹਣ ਤੇ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋ ਸਕਣ। ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾੜਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਨਿਕ ਨੇਮਾ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣਾ ਤਾਂ ਜੋ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਸੰਚਾਰ ਕਰ ਸਕਣ।
- (ੳ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਬਣਨਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ ਤੇ ਸਹੀ ਤਰਾਂ ਇਹਨਾਂ ਦੀ ਵਰਤੋਂ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਪੜ੍ਹਨ ਤੇ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- (ਅ) ਬੋਧਿਕ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ ਤੇ ਉਹਨਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜ਼ਰੀਆ ਬਣੇਗਾ।
 - ਵੱਖ-ਵੱਖ ਪ੍ਰਦੇਸ਼ਾ ਤੋਂ ਆਏ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਦੇ ਨਾਲ-ਨਾਲ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਨੂੰ ਵੀ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- (ੲ) ਅਮਲੀ ਹੁਨਰ:-
 - ਹਫਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
 - ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਤੀ ਟੈਸਟ ਲੈਣੇ।

- ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨ ਲਈ ਹਫਤੇ ਵਿਚ ਇਕ ਦਿਨ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬ੍ਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਣ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।
- (ਸ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
 - ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
 - ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਸਹੀ ਤਰ੍ਹਾ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

Paper Name: Statistical Physics and Thermodynamics

Class: B.Sc. (Non Med and C.Sc.) Semester: 3rd

Objectives of the Courses:

This course introduces students to the fundamental concepts of building up complexity from elementary constituents in the framework of thermodynamics and statistical physics. Starting with an overview of the kinetic theory of gases, this course develops concepts in classical laws of thermodynamics and their application, postulates of statistical mechanics, statistical interpretation of thermodynamics. Various methods of statistical mechanics are used to develop the statistics for Bose-Einstein, Fermi-Dirac and photon gases; selected topics from low temperature physics and electrical and thermal properties of matter are discussed.

Learning Outcomes:

- 1. Explain statistical physics and thermodynamics as logical consequences of the postulates of statistical mechanics.
- 2. Apply the principles of statistical mechanics to selected problems.
- 3. Apply techniques from statistical mechanics to a range of situations.

- 4. Use the tools, methodologies, language and conventions of physics to test and communicate ideas and explanations
- 5. Use the tools, methodologies, language and conventions of physics to test and communicate ideas and explanation.
- 6. The major objective of the course is to to impart knowledge about basic statistical physics properties and their relation with thermodynamics for understanding of various particle distributions in ensembles.
- 7. To cultivate skills at formulating and solving physics problems.
- 8. Provide the student with different practical, intellectual and transferable skills.

Course Outcomes:

Knowledge and Understanding:

The Students :

- Achieved the ability to explain the various statistical physics and their properties.
- Explain the various laws of thermodynamics and all the thermo dynamical processes along with their essential variables.
- Acquires knowledge of properties of carnot heat engine.
- Acquires knowledge of all quantum states and phase space..
- Describe the role of Bose Einstein Condensation and their all concepts in brief.
- read, understand and explain scholarly journal articles in statistical physics

A. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Describe and analyses quantitatively processes, relationships and techniques related to the areas covered in the statistical physics course;
- Develop a clear understanding of the basic concepts in statistical mechanics physics.
- Use the physical knowledge to analyze a suitable technique to solve problems.
- Be able to outline the importance of statistical physics and its various applications in the modern society.

B. Practical Skills:

Students will learn to

- Apply appropriate mathematical techniques to solve statistical physics problems.
- Apply appropriate laboratory techniques to study particle distribution in phase space.

• Discuss applications of the topics included in the statistical physics course, and appreciate their relation to other topics in course components taken.

• Develop the ability of the students to conduct, observe, analyzes and report an experiment

C. Tranferable skills:

Students will be able to:

- Use concepts of statistical mechanics physics more effectively.
- Learn to think more creative as well as comparatively.
- Apply logical analysis to problem solving;
- Contribute to the management of a group engaged in project work
- Develop the ability of the students to deal with various particle distributions classically as well as using quantum mechanics and formulas mathematically.
- Prepare and deliver a presentation and report of group work.
- Apply team-working skills to address a complex physics problem and contribute significantly to the work of a group tackling such a problem

Paper Name: Optics

Class: B.Sc. (Non Med and C.Sc.) Semester: 3rd

Objectives of the Courses:

This course introduces students to the fundamental concepts of optics. Optics is concerned with the genesis and propagation of light, the changes that it undergoes and produces, and other phenomena closely associated with it. There are two major branches of optics, physical and geometrical. Physical optics deals primarily with the nature and properties of light itself. Geometrical optics has to do with the principles that govern the image-forming properties of lenses, mirrors, and other devices that make use of light. It also includes optical data processing, which involves the manipulation of the information content of an image formed by coherent optical systems.

Learning Outcomes:

- The students will learn about superposition and interference, Diffraction, Reflection and Rarefaction.
- The students will learn about Polarization. They will learn about the difference between Linearly, Circularly and Elliptically polarized light.
- The students will learn about Scattering, Half Period Zones.

Knowledge and Understanding:

The Students

- Achieved the ability to explain the various optical phenomenons.
- Explain the various laws of Optics and all processes along with their essential variables.
- Read, understand and explain scholarly journal articles in Optics

Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Describe and analyses quantitatively processes, relationships and techniques related to the areas covered in the course
- Develop a clear understanding of the basic concepts in Optical Physics.
- Use the physical knowledge to analyze a suitable technique to solve problems.
- Be able to outline the importance of statistical physics and its various applications in the modern society.

Practical Skills:

Students will learn to

• Apply appropriate mathematical techniques to solve Optical Problems.

• Apply appropriate laboratory techniques to study Bright and Dark fringes.

• Develop the ability of the students to conduct, observe, analyzes and report an experiment

Tranferable skills:

Students will be able to:

- Use concepts of Optical Physics more effectively.
- Learn to think more creative as well as comparatively.
- Apply logical analysis to problem solving;
- Contribute to the management of a group engaged in project work
- Prepare and deliver a presentation and report of group work.
 Apply team-working skills to address a complex physics problem and contribute significantly to the work of a group tackling such a problem.

Course Name CHEMISTRY (ORGANIC CHEMISTRY-II)

Class: B.Sc (Medical & Non-Medical)

Semester III

Objective of the course:

- This course is intended to provide the students an in-depth understanding of the stereochemistry of organic compounds.
- To provide a complete knowledge of nomenclature, structure and bonding, methods of preparation and chemical reactions of the compounds related to functional groups like alcohols, phenols, aldehydes and ketones.

Course Outcomes:

- This course will equip the students with the necessary chemical knowledge concerning the organic chemistry of functional groups.
- To develop skills to interpret and explain the mechanism of organic reactions involving different functional groups.

The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course Name CHEMISTRY (PHYSICAL CHEMISTRY-II)

Class: B.Sc (Medical & Non -Medical)

Semester III

Objective of the course:

This course is intended:

- ➤ To provide the students an in-depth understanding of the basic concepts of thermodynamics discussing the fundamental laws.
- To provide a complete knowledge related to phase as well as chemical equilibrium while discussing various examples.

Course Outcomes:

- This course will help the students to acquire knowledge and understanding of basic concepts of thermodynamics as well as equilibrium in a detailed manner.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Analysis Semester: III

Course Objectives:

The aims of this course are to develop an understanding of convergence in its simplest setting to explain the difference between the sequence and series in the mathematical context to lay foundations for further investigation of infinite processes, in particular differential and integral calculus.

Learning outcomes:

A. Knowledge and Understanding:

Students will have

- An ability to work within an axiomatic framework.
- Knowledge of some simple technique for testing the convergence of sequences and series and confidence in applying them.
- An understanding of how the elementary functions can be defined by power series with an ability to deduce some of their easier properties.

B. Intellectual(cognitive/Analytical) skills:

- Express correctly the definitions of basic concepts from the course unit, for example the definition of the limit of a sequence.
- Decide on the correctness or otherwise of statements involving the basic concepts from the course unit, providing justifications or counter examples as appropriate.

C. Practical skills:

- Decide on convergence or divergence a wide class of series of real numbers or power series with real coefficient.
- A detailed understanding of how Cauchy's criterion for the convergence of real sequences and series follows from the completeness for R and the ability to explain the steps in standard mathematical notation.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Analytical Geometry Semester: III

Course Objectives:

The aim of this course is to introduce the geometry of lines and conics in the Euclidean plane. Students can develop geometry with a degree of confidence and will gain fluency in the basics of Euclidean geometry. In this course, foundational mathematical training is also pursued. Curves studied include straight lines, ellipse, parabolas, hyperbolas and sphere. The course assumes a sound background in algebra, geometry and trigonometry.

Course Outcomes:

<u>Knowledge and Understanding:</u>

Students will be able to:

- Parameterize curves.
- Evaluate the distance and angle.
- Sketch conic sections.
- Identify conic sections.
- Classify quadratic equations.

• <u>Intellectual(cognitive/Analytical) skills:</u>

On completion of this module, students should be able to:

- Establish rectangular coordinate system in the plane and in the space, express concept of vector both geometrically and analytically, understand operations on vectors and the properties of these operations.
- Estimate polar equations of conics and their graphs.
- Study of conics like ellipse, parabola and hyperbola.
- Express condition of parallel or perpendicular of the two lines.

Practical skills:

- Define conics and draw the graphs of conics such as ellipse, hyperbola, parabola and ellipse.
- Use the polar coordinate system, relate it to the rectangular coordinate system and graph equations using polar coordinates.
- Model real world situations with equations of conics.
- Determine equation of curves when given information that determines the curve.

Paper Name: Quantum Mechanics

Class: B.Sc. (Non Med and C.Sc.) Semester: 4th

Objectives of the Courses:

Provide the student with a broad spectrum of physics courses.
 Emphasize the role of physics in life and other discipline (chemistry ,mathematics and biology).

3. To cultivate skills at formulating and solving physics problems.

4. To develop familiarity with the physical concepts and mathematical methods of quantum mechanics.

5. Provide the student with different practical, intellectual and transferable skills.

Course Outcomes:

A. <u>Knowledge and Understanding:</u>

Students will:

- Know how to define a various branches of Quantum Physics (eg. high energy physics, high particle physics, Molecular Physics).
- Understand and explain the basic concepts associated with the quantum physics (eg. Uncertanity principle, Normalization, Operators)

• Students will understand and able to describe the difference between classical (old) and quantum (new) physics.

B. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

• Think critically about the theories of physics.

- Think critically about the contribution of various scientists in the particle world.
- Identify the different process of how individual atoms interact with one another.
- Think critically about the wave particle duality nature.
- Learn about degenerate states of same energy level.
- Think critically about the use of physics in our daily life.

C. Practical Skills:

Students will learn to:

- Study the characterizations of Photovoltaic cell.
- Determine the value of planck's constant.
- To study the absorption and rotational spectra.
- To study the variation of light intensity with distance.

D. Tranferable skills:

Students will be able to:

- Use concepts of physics more effectively.
- Learn to think more creative as well as comparatively.
- Project planning.
- Problem solving

Paper Name: Atomic Spectra & Lasers

Class: B.Sc. (Non Med and C.Sc.) Semester: 4th

Objectives of the Courses:

This course introduces students to the fundamental concepts of Atomic Spectra & Lasers. When atoms are excited they emit light of certain wavelengths which correspond to different colors. The emitted light can be observed as a series of colored lines with dark spaces in between; this series of colored lines is called a line or atomic spectra. Each element produces a unique set of spectral lines. Since no two elements emit the same spectral lines, elements can be identified by their line spectrum. Laser is a device that stimulates atoms or molecules to emit light at particular wavelengths and amplifies that light, typically producing a very narrow beam of radiation. The emission generally covers an extremely limited range of visible, infrared, or ultraviolet wavelengths. Many different types of lasers have been developed, with highly varied characteristics. Laser is an acronym for "light amplification by the stimulated emission of radiation.

Learning Outcomes:

- The students will learn about Hydrogen atom spectra.
- The students will also learn about many electron spectra, LS coupling selection rules.
- The students will learn about Laser fundamentals and Laser systems.

Knowledge and Understanding:

The Students

- Achieved the ability to explain the various atomic spectra phenomenons.
- Explain the various laws of Lasers and all processes along with their essential variables.
- Read, understand and explain scholarly journal articles in Laser Spectra

Intellectual (Cognitive/ Analytical) Skills:

Students will be able to:

- Describe and analyses quantitatively processes, relationships and techniques related to the areas covered in the course
- Develop a clear understanding of the basic concepts in Atomic Spectra and Lasers.
- Use the physical knowledge to analyze a suitable technique to solve problems.
- Be able to outline the importance of statistical physics and its various applications in the modern society.

Practical Skills:

Students will learn to

- Apply appropriate mathematical techniques to solve Laser Problems.
- Apply appropriate laboratory techniques to study Laser Spectra.

• Develop the ability of the students to conduct, observe, analyzes and report an experiment

Tranferable skills:

Students will be able to:

- Use concepts of Atomic Spectra and Laser Physics more effectively.
- Learn to think more creative as well as comparatively.
- Apply logical analysis to problem solving;
- Contribute to the management of a group engaged in project work
- Prepare and deliver a presentation and report of group work.
 Apply team-working skills to address a complex physics problem and contribute significantly to the work of a group tackling such a problem.

Course Name CHEMISTRY (ORGANIC CHEMISTRY-III)

Class: B.Sc (Medical & Non-Medical)

Semester IV

Objective of the course:

- This course is intended to provide the students an in-depth understanding of the stereochemistry of organic compounds.
- To provide a complete knowledge of nomenclature, structure and bonding, methods of preparation and chemical reactions of the compounds related to functional groups like carboxylic acids, ethers and epoxides, organic compounds of nitrogen.

Course Outcomes:

- This course will equip the students with the necessary chemical knowledge concerning the organic chemistry of functional groups.
- To develop skills to interpret and explain the mechanism of organic reactions involving different functional groups.

The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course Name CHEMISTRY (INORGANIC CHEMISTRY-III)

Class: B.Sc (Medical & Non -Medical)

Semester IV

Objective of the course:

- This course is intended to provide the students an in-depth understanding of the coordination chemistry of inorganic compounds.
- To provide a complete knowledge of non aqueous solvents, oxidation and reaction behaviour, chemistry of lanthanoids and actinoids etc.

Course Outcomes:

- This course will equip the students with the necessary chemical knowledge concerning the biological properties of inorganic compounds.
- > To develop skills to devise uses of inotganic compounds in medicine and industry.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course: Solid Geometry Semester: IV

Class: B.Sc.(Non Medical/Computer Science/Economics)/B.A

Course Objectives:

This course provides an introduction of solid geometry that studies the size, shape, and position of 2-dimensional shapes and 3-dimensional figures.

Students will be able to identify geometric shapes in objects they use in their daily lives. Studying solid geometry provides many foundational skills and helps to build the thinking skills of logic, deductive reasoning, analytical reasoning, and problem-solving.

Course outcomes:

A. Knowledge and Understanding:

- The method of using virtual reality in desktop application that is intended to be used for solid geometry
- Geometry covers a whole range of concepts which will be encountered in everyday life
- Show them examples of 2-D and 3-D shapes, such as a circle and a sphere
- Geometry has many practical applications like architects and interior designers need to use their geometry knowledge to guide their designs

B. Intellectual(cognitive/Analytical) skills:

- Allowing the systematic use of linear equations and matrix algebra, which are important for higher dimensions
- -

C. Practical skills:

- 3-D Computer graphics revolutionized animation, Video games, graphics etc.
- Architectural designing is another area in which applications of solid geometry play a major role

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Statics and Vector Calculus Semester: IV

Course Objectives:

This Course introduces the student to review vector arithmetic, distinguish point and vectors, relate geometric concepts to their algebraic representation, describe point, line, and planes, use the dot product and cross product and their applications in Graphics. In Statics, we deal with equilibrium of bodies under action of forces (bodies may be either at rest or move with a constant velocity)

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to:

- Identify conservative vector fields.
- Find the divergence and curl of a vector field.
- Evaluate line integrals of curves and vector fields.
- Use Green's theorem to evaluate line integrals.
- Gradient vector fields and constructing potentials

B. Intellectual(cognitive/Analytical) skills:

On completion of this module, students should be able to:

a) calculate vector and scalar derivatives of vector and scalar fields using the grad, div and curl operators in Cartesian and in cylindrical and spherical polar coordinates: b) Use suffix notation manipulate Cartesian vectors and their derivatives; to c) calculate multiple integrals in two and three dimensions including changing variables using Jacobians.

d) Calculate line and surface integrals and use the various integral theorems.

Undertake the analysis of symmetric beams under vertical loads and torsion of cylindrical shafts

C. Practical skills:

- The integral ideas of the functions defined including line, surface and volume integrals both derivation and calculation in rectangular, cylindrical and spherical coordinate systems and understand the proofs of each instance of the fundamental theorem of calculus.
- Examples of the fundamental theorem of calculus and see their relation to the fundamental theorems of calculus in calculus leading to the more generalised version of Stokes' theorem in the setting of differential forms.
- The differential ideas of divergence, curl, and the Laplacian along with their physical interpretations, using differential forms or tensors to represent derivative operations.

Paper Name: Condensed Matter Physics

Class: B.Sc. (Non-Med. & C.Sc.) Semester: 5 th

Objective of the Course:

This course aims to establish fundamental concepts of crystal structures, diffraction, lattice vibrations and free electron theory of metals. It also aims to explore the students with principle, theory and mathematical calculations involved in crystal structure studies in detail.

Course content:

Crystal structure, Symmetry operations for a two and three dimensional crystal, Two dimensional Bravais lattices, Three dimensional Bravais lattices, Basic primitive cells, Crystal planes and Miller indices, Diamond and NaCl structure._Crystal Diffraction: Bragg's law, Experimental methods for crystal structure studies, Laue equations, Reciprocal lattices of SC, BCC and FCC, Brag's law in reciprocal lattice, Brillouin zones and its construction in two and three dimensions, Lattice vibrations, Concepts of phonons, Free electron model of metals, Free electron, Band Theory: Kronnig-Penney model.

Course Outcomes :

A. Knowledge and understanding:

Students will

- Have a basic knowledge of crystal structure and symmetry operations.
- Understand the concept of reciprocal lattice and be able to use it as a tool.
- Know the significance of grain boundaries .
- Know the fundamental principles of Fermi levels and band gap in semiconductors.

B. Intellectual (Cognitive/Analytical) skills:

Students will

- be able to outline the importance of Brillouin zones.
- be able to perform structure determination of simple structures.
- Industrial applications.

C. <u>Practical skills:</u>

Students will learn to:

- Apply appropriate mathematical techniques to solve different theories of lattice specific heat.
- Think in graphical terms and approximate terms when appropriate.
- Apply appropriate laboratory techniques to measure semiconductor properties.
- Understand the operation and characteristics of various semiconductors.

D. <u>Transferrable skills:</u>

- Communication skills.
- Thinking skills.
- Problem solving.

Paper Name: Electronics

Class: B.Sc. (Non-Med. & C.Sc.) Semester: 5 th

Objective of the Course:

This course aims to establish fundamental concepts of basic electronics, concepts of current and voltage source, Diode and Transistor Characteristics. It also aims to explore the students with principle, theory and mathematical calculations involved in electronics aspect studies in detail.

Course content:

Concepts of current and voltage sources, p-n junction, Biasing of diode, V-I characteristics, Rectification: half wave, full wave rectifiers and bridge rectifiers, Efficiency, Ripple factor.

Junction transistor : Structure and working relation between different currents in transistors, Sign conventions, Amplifying action, Different configurations of a transistor and their comparison, CB and CE characteristics, Working of CE amplifier, Amplifier analysis using h-parameters, Equivalent circuits, Determination of current gain, Power gain, Input impedance, FET amplifier and its voltage gain, Feed back in amplifiers Barkausen criterion of sustained oscillations, LC oscillator (tuned collector, tuned base Hartley), RC oscillators, phase shift and Wein bridge.

What will be the teaching methods:

- Lectures: Three per week.
- Interactive classroom discussions.
- Assignments & Seminars.
- Power point presentations.

Program Learning Outcomes:

Knowledge and understanding:

Students will

- have a basic knowledge of how semi conductor electronics works..
- know the significance of Amplitude gain .
- know the fundamental principles of oscillators.

Practical skills:

Students will learn to:

- Apply appropriate mathematical techniques to solve diode equation and its implications.
- Think in graphical terms and approximate terms when appropriate.
- Apply appropriate laboratory techniques to measure semiconductor properties.
- Understand the operation and characteristics of various types of transistors.

Transferrable skills:

- Communication skills.
- Thinking skills.
- Problem solving.

Course Name CHEMISTRY (INORGANIC CHEMISTRY-IV)

Class: B.Sc (Medical & Non-Medical)

Semester V

Objective of the course:

This course is intended:

- A. To provide the students an in-depth understanding of bonding and magnetic properties of transition metal complexes.
- **B.** To discuss various factors affecting the kinetic as well as thermodynamic stability, electronic spectra.
- **C.** To give brief introduction to organometallic compounds.

Course Outcomes:

- **D.** This course will equip the students with the necessary chemical knowledge concerning the inorganic chemistry of transition metal complexes.
- **E.** To develop skills to interpret and explain the bonding, magnetic as well as spectral properties of transition metal complexes.
- **F.** The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course Name CHEMISTRY (PHYSICAL CHEMISTRY–III)

Class: B.Sc (Medical & Non-Medical) Semester V

Objective of the course:

This course is intended:

- To provide the students an in-depth understanding of basic as well as advanced concepts of electrochemistry.
- To discuss the nuclear chemistry in detail including various laws governing the nuclear processes and various factors affecting them.
- To give brief introduction to spectroscopy discussing rotational and vibrational spectroscopy and electronic spectrum.

Course Outcomes:

- To understand the inter conversion of chemical and electrical energy and to link thermodynamics with electrochemistry.
- To apply the concepts of electrochemistry, spectroscopy to different chemical processes as well as in practicals.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Class: B.Sc.(Non Medical/Computer Science/Economics)/B.A

Course: Dynamics Semester: V

Course Objectives:

This course aims to equip the student with fundamental knowledge of dynamics of machines so that student can appreciate problems of dynamic force balance, transmissibility of forces, isolation of systems and vibrations. The overall objective of this course is to learn how to analyze the motions of mechanisms, design mechanisms to have given motions and analyze forces in machines.

Learning outcomes:

A. Knowledge and Understanding:

Students will be able to

- Understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.
- Understand and use basic terms for the description of the motion of particles, vector functions and the fundamental laws of Newtonian mechanics.
- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.
- understand the concept of terminal speed, and use it in solving mechanics problems in one dimension

B. Intellectual(cognitive/Analytical) skills:

- Analyze the applications of mathematics to the problems in physics & develop suitable mathematical method for such application.
- Solve problems relating to the motion of a projectile in the absence of air resistance

C. Practical skills:

- Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.
- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Number theory Semester: V

Course Objectives:

The objective of this course is the study of basic structure and properties of integers. Learning number theory helps improving one's ability of mathematical thinking. The objectives for this course are to expose students to this beautiful theory, to understand what inspired this quote from Gauss and to allow students to experience mathematics as a creative, empirical science.

Learning Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Explore the use of arithmetical functions, the Mobius function and the Euler totient function.
- Solve systems of linear congruences with different moduli using the Chinese Remainder Theorem.
- Prove results involving divisibility and greatest common divisors.
- -

B. Intellectual(cognitive/Analytical) skills:

- Enchance and reinforce the student's understanding of concepts through the use of technology when appropriate.
- Apply Euler-Fermat's Theorem to prove relations involving prime numbers.

C. General skills:

- Analyze the structure of real-world problems and plan solution strategies.
- Communicate quantitative data verbally, graphically, symbolically and numerically.
- Use mathematical concepts in problem-solving through integration of new material and modeling.

Paper Name: Nuclear Physics

Class: B.Sc. (Non-Med. & C.Sc.) Semester: 6 th

Objective of the Course:

This course aims to establish fundamental concepts of nucleus and its properties. The course will also emphasize upon various nuclear models. The Nuclear Physics is the study of protons and neutrons at the centre of an atom and the interactions that hold atom together in a space just a few femtometers (10-15 meters) across.

Course content:

The students will learn about nuclear properties, radioactive decays, nuclear reactions and various nuclear models. The students will learn about shell model, nuclear radius, radioactive decays. The students will learn about parity violation, beta alpha and decay. Nuclear forces, Yukawa theory and quadruple moment and other nuclear feature will be part of the discussion in the course.

What will be the teaching methods:

- Lectures: Three per week.
- Interactive classroom discussions.
- Assignments & Seminars.
- Power point presentations.

Course Outcomes:

Knowledge and understanding:

Students will

- have a basic knowledge of how nuclear forces work..
- know the significance of radioactive decay.
- know the fundamental principles of Nuclear Reactions.

Practical skills:

Students will learn to:

- Apply appropriate mathematical techniques to solve nuclear equation and its implications.
- Think in graphical terms and approximate terms when appropriate.
- Apply appropriate laboratory techniques to measure nuclear properties.
- Understand the operation and characteristics of radioactive decays.

Transferrable skills:

- Communication skills.
- Thinking skills.
- Problem solving.

Paper Name: Radiation and Particle Physics

Class: B.Sc. (Non-Med. & C.Sc.) Semester: 6 th

Objective of the Course:

This course aims to establish fundamental concepts of radiation and particle physics. Radiation, flow of atomic and subatomic particles and of waves, such as those that characterize heat rays, light rays, and X rays. All matter is constantly bombarded with radiation of both types from cosmic and terrestrial sources. This article delineates the properties and behavior of radiation and the matter with which it interacts and describes how energy is transferred from radiation to its surroundings. The course will cover a range of detectors to be used for detecting various types of radiations. The course will also cover high energy physics because many elementary particles do not occur under normal circumstances in nature, but can be created and detected during energetic collisions of other particles, as is done in particle accelerators. These include atomic constituents such as electrons, protons, and neutrons (protons and neutrons are actually composite particles, made up of quarks), particles produced by radiative and scattering processes, such as photons, neutrinos, and muons, as well as a wide range of exotic particles.

Course content:

The students will learn about interaction of radiation and charged particles with matter. It will cover nuclear radiation detection and accelerators. The course will also cover elementary particles and their interactions. The students will learn about Quark model and quantum numbers related to various conservation laws.

What will be the teaching methods:

- Lectures: Three per week.
- Interactive classroom discussions.
- Assignments & Seminars.
- Power point presentations.

Course Outcomes:

Knowledge and understanding:

Students will

- have a basic knowledge of nuclear radiation and its properties.
- know the significance of accelerators.
- know the fundamental properties of elementary particles.

Practical skills:

Students will learn to:

- Apply appropriate mathematical techniques to solve radiation equations.
- Think in graphical terms and approximate terms when appropriate.
- Apply appropriate laboratory techniques to measure elementary particle properties.
- Understand the operation and characteristics of radiation detectors.

Transferrable skills:

- Communication skills.
- Thinking skills.
- Problem solving.

Course Name CHEMISTRY (PHYSICAL CHEMISTRY-IV)

Class: B.Sc (Medical & Non -Medical)

Semester VI

Objective of the course:

This course is intended:

- To provide the students an in-depth understanding of the basic concepts of quantum mechanics.
- To provide a complete knowledge related to solid state and photochemistry.

Course Outcomes:

- This course will help the students to acquire knowledge and understanding of basic concepts of quantum chemistry in a detailed manner.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Course Name CHEMISTRY (ORGANIC CHEMISTRY-IV)

Class: B.Sc (Medical & Non-Medical)

Semester VI

Objective of the course:

This course is intended:

- To provide the students an in-depth understanding of spectroscopy of organic compounds.
- To discuss various spectroscopic techniques and spectral analysis.
- To give complete knowledge of amino acids, peptides and nucleic acids.

Course Outcomes:
- This course will equip the students with the necessary knowledge concerning uses of spectroscopic techniques.
- To develop skills to interpret and explain the spectras.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Numerical Analysis Semester: VIth Course Objectives:

This course aims to provide a first approach to the subject of algebra, which is one of the basic pillars of modern mathematics. The focus of the course will be the study of certain structures called groups, rings, fields and some related structures. Abstract algebra gives to student a good mathematical maturity and enables to build mathematical thinking and skill.

Course Outcomes:

A. <u>Knowledge and Understanding:</u>

Students will know how

- Solve an algebraic or transcendental equation using an appropriate numerical method.
- Approximate a function using an appropriate numerical method.
- solve a differential equation using an appropriate numerical method
- evaluate a derivative at a value using an appropriate numerical method
- code a numerical method in a modern computer language

B. Intellectual(cognitive/Analytical) skills:

- Derive numerical methods for approximating the solution of problems of continuous mathematics,

- Analyze the error incumbent in any such numerical approximation,
- Implement a variety of numerical algorithms using appropriate technology.
- Compare the viability of different approaches to the numerical solution of problems arising in roots of solution of non-linear equations, interpolation.
- And approximation, numerical differentiation and integration, solution of linear systems.

C. Transferable skills:

- solve a linear system of equations using an appropriate numerical method
- Problem solving and Analytical skills
- Be able to develop numerical literacy
- Social responsibility and global citizenship skills

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Linear Algebra Semester: VI <u>Course Objectives:</u>

Algebraic structures -- such as groups, rings, and fields -- are pervasive in mathematics. This course focuses on (commutative) rings, which are sets equipped with two (commutative) operations (called addition and multiplication), and that contain an additive identity and an additive inverse for each element of the set. A fundamental example of a ring is \mathbf{Z} , the set of integers; other important examples include \mathbf{Q}, \mathbf{Z} modulo n, and $\mathbf{Q}[X]$, which is the set of polynomials in X with rational Coefficients.

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Develop an understanding of linear algebra in mathematics, natural and social sciences.

- Use matrix algebra to analyze and solve equations arising in many applications that require a background in linear algebra.
- Utilize vector space terminology and describe how closely other vector spaces resemble Rⁿ.

B. Intellectual(cognitive/Analytical) skills:

- Demonstrate factual knowledge of the fundamental concepts of spanning, linear independence, and linear transformations.
- Acquire communication and organizational skills, including effective written communication in their weekly assignments.
- Use visualization, spatial reasoning as well as geometric properties and strategies to mode, solve problems and view solutions especially in R^2 and R^3 .

C. General skills:

- Apply mathematical methods involving arithmetic, algebra, geometry and graphs to solve problems.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.
- Interpret and analyze numerical data, mathematical concepts and identify patterns to formulate and validate reasoning.

B.Sc. (Computer Science)

PROGRAM OUTCOMES (PO)

PO1: Learn how to organize information efficiently in the forms of outlines, charts, etc. by using appropriate software. Develop the skills to present ideas effectively and efficiently.

PO2: Do Academic and Professional Presentations - Designing and delivering an effective presentation and developing the various IT skills to the electronic databases.

PO3: Use the Systems Analysis Design paradigm to critically analyze a problem. Solve the problems (programming networking database and Web design) in the Information Technology environment. Function effectively on teams to accomplish a common goal and demonstrate professional behaviour.

PO4: Develop IT-oriented security issues and protocols. Design and implement a web page. Improve communication and business management skills, especially in providing technical support. Serve as the System Administrators with thorough knowledge of DBMS.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: Apply standard software engineering process and strategies in software project development using open source programming environment to deliver a quality product for business success.

PSO2: Acquaintance with latest trends in technological development and thereby innovate new ideas and solutions to existing problems.

PSO3: Conceptual grounding in computer usage as well as its practical business applications.

PSO4: To demonstrate advanced skills in the effective analysis design and realization of business system utilizing contemporary information technology.

COURSE OUTCOMES

ਕੋਰਸ ਦਾ ਨਾਂਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸਬੀ ਏ/ਬੀ ਐੈਸੱ ਸੀ/ਬੀ ਕੈਮ ਬੀ ਸੀ ਏ/ਬੀ ਅੈਸ ਈ ਆਈ ਟੀ/

ਬੀ ਵੈਕ⁄ਬੀ ਅੈਮ ਅੈਮ∕ਬੀ ਜੇ ਅੈਮ ਸੀ ਸਮੈਸਟਰਪਹਿਲਾ

ਕੋਰਸ ਦਾ ਉਦੇਸ਼

- * ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਨੀ ਅਤੇ ਲਿਖਣੀ ਸਿਖਾਉਣੀ
- * ਵਿਆਕਰਣ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਬਾਰੇ ਦੱਸਣਾ
- * ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ
- * ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕਰਨਾ
- * ਸੰਵਾਦ ਰਚਾਉਣ ਦੇ ਯੋਗ ਬਣਾਉਣਾ

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਅਾਂ ਪ੍ਰਾਪਤੀਅਾਂ ਦੀਅਾਂ ਸੰਭਾਵਨਾਵਾਂ

(ੳ) ਬੌਧਿਕ ਹੁਨਰ

- * ਸ਼ੁੱਧ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਲਿਖ਼ਣ ਅਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋਣਾ
- * ਵਿਆਕਰਨ ਬਾਰੇ ਗਹਿਰਾਈ ਨਾਲ ਜਾਣਕਾਰੀ ਹੋਣਾ
- * ਮੁਹਾਵਰੇ ਅਤੇ ਅਖ਼ਾਣ ਦਾ ਅੰਤਰ ਪਤਾ ਹੋਣਾ
- * ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀਆਂ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਦੀ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ਅ) ਅਮਲੀ ਹੁਨਰ

- * ਮਾਤ ਭਾਸ਼ਾ ਪ੍ਰਤੀ ਸਤਿਕਾਰ ਦੀ ਭਾਵਨਾ
- * ਵਿਆਕਰਨ ਦੇ ਨਿਯਮਾ ਸਮਝਣ ਦੀ ਯੋਗਤਾ
- * ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਪੜ੍ਹਨ ਅਤੇ ਲਿਖਣ ਦੀ ਯੋਗਤਾ
- * ਈ-ਸਰੋਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ੲ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ 'ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

* ਸ਼ੁੱਧ ਸੰਚਾਰ ਕਰਨ ਦੀ ਯੋਗਤਾ

- * ਟੀਮ ਵਰਕ ਦੀ ਯੋਗਤਾ
- * ਚੰਗੀ ਲੀਡਰਸ਼ਿਪ ਦੀ ਯੋਗਤਾ
- * ਸਮਸਿਆਵਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਹੱਲ ਕਰਨ ਦੀ ਯੋਗਤਾ

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ: ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

Course Name – General English

Class: B.Sc. Computer Science SEMESTER I

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense • Be in the present tense • Singular/plural forms of regular nouns • Parts of speech

LITERATURE

Understand a basic paragraph • Scan for specific words in a text • Know most sound-to-letter correspondences • Write sentences using a limited vocabulary • Write a paragraph using a limited vocabulary • Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding:

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately

• Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- Digital copywriter
- Editorial assistant
- English as a foreign language teacher
- Lexicographer
- Magazine journalist
- Newspaper journalist
- Publishing copy-editor/proof reader
- Secondary school teacher
- Web content manager
- Writer

Transferable Skills :

• Setting schedules and working under deadline - The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term

paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.

- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- Taking constructive criticism or "agreeing to disagree Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

Class: B.Sc. Computer Science

Course: Calculus and Trigonometry Semester: I

Course Objectives:

This course provides an introduction to topics involving calculus and trigonometry. Both Calculus and trigonometry equations have applications in all areas of applied Sciences and engineering. Upon completion, students will be able to understand the applications of differential and integral calculus and also demonstrate understanding of the theoretical concepts and select and use appropriate techniques for finding solutions.

Course Outcomes:

A. Knowledge and Understanding:

-Learn the general concept of function and its applications to real-world situations.

-Define the integral of the inverse trigonometric and hyperbolic functions.

-State the Fundamental theorem of calculus

-Find general solutions to first order, second order and higher order homogeneous and non-homogenous differential equations with constant and variable coefficients.

-find the series solution of differential equation.

-learn to use concept of integration to evaluate geometric area and solve other applied problems.

B. Intellectual(cognitive/Analytical) skills:

-Learn to calculate derivative for various type of function using definition.

-Sketch the graph of curves (Cartesian and parametric co-ordinates)

-Calculate areas of plane regions and arc length.

- Select and apply appropriate methods to solve differential equations.

-Apply power series method to find solution of Differential equations involving Bessel and Legendre equations.

- Use fundamental theorem of calculus to evaluate integral involving algebraic and transcendental functions.

C. Practical skills:

-Present mathematics to others, both in oral and written form clearly and in a well organized manner.

- Have the ability to carry out complex calculations orally and mentally. Learn to work with exponential, logarithmic and trigonometric functions and their applications in applied problems.

Class: B.Sc. Computer Science

Course: Algebra Semester: I

Course Objectives:

The course on Algebra deals with advance topics on matrices viz. rank, eigen values, eigen vectors and homogeneous and non homogeneous systems, solution of cubic and bi-quadratic equations.

Course Outcomes:

D. Knowledge and Understanding:

- Understand all basic fundamentals of Matrices and vectors

- Learn to find rank of a matrix.
- Learn to solve linear system of equations (homogeneous and non homogeneous)
- Increasing Knowledge of the basic concepts of equations.
- Aware of a variety learning aids that can be used in the teaching of solving equations.
- Know how to transform the equation.

- Understand to solve cubic and bi-quadratic equations using cardon , Descarte and Ferrari's method.

E. Intellectual(cognitive/Analytical) skills:

- Use the basic concepts of matrix algebra and vector, including linear dependence/independence, rank and nullity, for analysis of matrices and systems of linear equations.

- Use the characteristic polynomial to compute the eigen values and eigen vectors of a square matrix and use them to diagonalise matrices when this is possible; discriminate between diagonalizable and non- diagonalizable matrices.

- Orthogonally diagonalise symmetric matrices and quadratic forms.

F. General skills:

- Use questioning and explanation strategies to help students learn new concepts and to support students in their problem solving activities.

- Apply mathematical methods involving arithmetic, algebra to solve problems.

- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

COURSE NAME: Computer Science (COMPUTER FUNDAMENTAL & PC SOFTWARE)CLASS – BA/B.Sc.(CS)SEMESTER – I

Objectives of Course:

- Give students an in-depth understanding of why computers are essential components in business, education and society.
- Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.
- Provide hands-on use of Microsoft Office applications Word, Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Understand the basic terminology of computers
- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- Understand the difference between an operating system and an application program, and what each is used for in a computer
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Identify the applications of computer in daily life

Course Name – General English

Class- B.Sc.(CS) SEMESTER II

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense • Be in the present tense • Singular/plural forms of regular nouns • Parts of speech

LITERATURE

Understand a basic paragraph • Scan for specific words in a text • Know most sound-to-letter correspondences • Write sentences using a limited vocabulary • Write a paragraph using a limited vocabulary • Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding :

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately

• Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- Digital copywriter
- Editorial assistant
- English as a foreign language teacher
- Lexicographer
- Magazine journalist
- Newspaper journalist
- Publishing copy-editor/proofreader
- Secondary school teacher
- Web content manager
- Writer

Transferable Skills :

• Setting schedules and working under deadline - The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term

paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.

- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- Taking constructive criticism or "agreeing to disagree Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

ਕੋਰਸ ਦਾ ਨਾਮ : ਮੁੱਢਲੀ ਪੰਜਾਬੀ ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ ਸਮੇਸਟਰ –ਦੂਜਾ

 ਕੋਰਸ ਦਾ ਉਂਦੇਸ਼ :- ਇਸ ਕੋਰਸ ਦਾ ਉਂਦੇਸ਼ ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਮੁੱਢਲਾ ਗਿਆਨ ਦੇਣਾ ਜਿਸ ਨਾਲ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਰੂਪ ਵਿਚ ਉਂਚਾਰਨ ਤੇ ਵਿਆਕਰਣ ਬਾਰੇ ਮੁੱਢਲੇ ਤੌਰ ਤੇ ਚੰਗੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰ ਸਕੇ। ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ ਬਾਰੇ ਦੱਸਦੇ ਹੋਏ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆ ਦੀ ਪਹਿਚਾਣ ਅਤੇ ਵਰਤੋਂ, ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ

ਇਸ ਨਾਲ ਵਿਦਿਆਰਥਅੀਆਂ ਦੇ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।

ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਤੇ ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ।

3) ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਪੰਜਾਬੀ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਕਾਰੀ ਤੇ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਵਿਚ ਕਾਮਯਾਬ ਹੋਣਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਅੰਦਰ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਸਿਖਣ ਤੇ ਸਮਝਣ ਦਾ ਹੌਸਲਾ ਹੋਰ ਵਧੇਗਾ।

ਬੱਚੇ ਆਪਣੀ ਮਾਂ-ਬੋਲੀ ਬਾਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਨਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਸ਼ਬਦਾਵਲੀ ਵਿਚ ਵਾਧਾ

ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ :

 ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸਹੀ ਰੂਪ ਵਿਚ ਸਮਝ ਸਕਣਗੇ ਅਤੇ ਉਸ ਬਾਰੇ ਖੁਦ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਰਾਹੀਂ ਸ਼ਬਦ ਜੌੜ, ਵਾਕ ਨੂੰ ਸਹੀ ਰੂਪ ਵਿਚ ਬਣਾ ਸਕਣਗੇ।

ਤ) ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਤੇ ਸੱਭਿਆਚਾਰ ਨਾਲ ਜੁਤਣਗੇ।

ਅਮਲੀ ਹੁਨਰ (Practical skill)

 ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸ਼ਬਦ ਜੌੜ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ, ਵਾਕ ਬਣਤਰ, ਨਾਵ-ਪੜਨਾਂਵ ਨੂੰ ਚਾਟ ਦੀ ਸਹਾਇਤਾ ਨਾਲ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

 2) ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਲਈ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨਾਲ ਜੁੜੀਆਂ ਵੈਬਸਾਇਟ ਨਾਲ ਸਾਂਝ ਪਵਾਈ ਜਾਵੇਗੀ

3) ਬਲੈਕ ਬੋਰਡ ਜਾਂ ਚਾਰਟ, ਨੋਟ ਬੁੱਕ ਉਪਰ ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਸਬੰਧ, ਯੋਜਕ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਆਦਿ ਦਾ ਵਰਗੀਕਰਨ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

ਵਿਰਿਆਰਥੀ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ ਸਮੇਂ ਉਪਰ ਸਵਾਲ ਜਵਾਬ ਕੀਤੇ ਜਾਣਗੇ। ਉਹਨਾਂ ਤੋਂ ਲਿਖਤ ਕਾਰਜ ਕਰਵਾਇਆ ਜਾਵੇਗਾ। ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉਪਰ ਬੋਲਣ ਜਾਂ ਚਾਰਟ ਤੇ ਬਲੈਕ ਬੋਰਡ ਦੀ ਸਹਾਇਤਾ ਰਾਹੀਂ ਉਹਨਾਂ ਦੇ ਹੁਨਰ ਨੂੰ ਪਰਖਿਆਂ ਜਾਵੇਗਾ।

ਭਾਸ਼ਾਂ ਦੇ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

1) ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

ਪੰਜਾਬੀ ਦੇ ਨਵੇਂ ਸ਼ਬਦਾਂ ਤੇ ਵਾਕਾਂ ਨੂੰ ਬਣਾਉਣ ਵਿਚ ਸਮੱਰਥ ਹੋਣਗੇ।

ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਨੂੰ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

4) ਵਿਦਿਆਰਥੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ –ਦੂਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u> : ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਨ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ । ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ । ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ ਬੌਧਿਕ ਅਤੇ ਸਰਬ-ਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਅਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।
- ਵੱਖ ਵੱਖ ਨਾਇਕਾਂ ਦੀਆਂ ਜੀਵਨੀਆਂ ਪੜ੍ਹ ਕੇ ਵਿਦਿਆਰਥੀ ਪ੍ਰੇਰਿਤ ਹੋਣਗੇ।

Class: B.Sc. Computer Science

Course: Calculus II Semester: II Course Objectives: This course introduces the student to integral calculus with the techniques of integration and application of integration to physical problem.

Course Outcomes:

J. Knowledge and Understanding:

- Extend the concept of integrals to a variety of applications, establishing several integration
- Use a variety of mathematical techniques to evaluate integrals
- Develop problem solving skills through diverse applications of the integral
- Analyze the parameterization of curves and the polar coordinate system

K. Intellectual(cognitive/Analytical) skills:

- Examine various techniques of integration and apply them to definite and improper integrals,

- Approximate definite integrals using numerical integration techniques and solve related problems,

- Model physical phenomena using partial differential equations,-

- Compute limits of, differentiate, integrate and solve related problems involving functions represented parametrically or in polar coordinates,

- Differentiate, and integrate functions represented using power series expansions, including Taylor series, and solve related problems.

L. Practical skills:

Students will be able to:

- Evaluate iterated integrals and switch the order of integration.

- Find volumes of solids by calculating appropriate double integrals in rectangular and polar coordinates.

- Find surface area using a double integral.

- Evaluate triple integrals and use them to find volumes in rectangular, cylindrical and spherical coordinates.

- Use a Jacobian to make a change of variables in a double integral.

Class: B.Sc. Computer Science

Course: Calculus and Differential equations II Semester: II Course Objectives:

This course provides an introduction to topics involving calculus and ordinary differential equations. Both Calculus and Differential equations have applications in all areas of applied Sciences and engineering. Upon completion, students will be able to understand the applications of differential and integral calculus and also demonstrate understanding of the theoretical concepts and select and use appropriate techniques for finding solutions to differential equations.

Course Outcomes:

P. Knowledge and Understanding:

-Write the definition of indefinite and definite integrals.

-Define the integral of the inverse trigonometric and hyperbolic functions.

-State the Fundamental theorem of calculus

-Find general solutions to first order, second order and higher order homogeneous and non-homogenous differential equations with constant and variable coefficients.

-find the series solution of differential equation

Q. Intellectual(cognitive/Analytical) skills:

-Evaluate Indefinite integral involving hyperbolic functions and Definite integral of all the functions.

-Sketch the graph of curves (Cartesian and parametric co-ordinates)

-Calculate areas of plane regions and arc length.

- Select and apply appropriate methods to solve differential equations.

-Apply power series method to find solution of Differential equations involving Bessel and Legendre equations.

- Use fundamental theorem of calculus to evaluate integral involving algebraic and transcendental functions.

R. Practical skills:

-Present mathematics to others, both in oral and written form clearly and in a well organized manner.

- Have the ability to carry out complex calculations orally and mentally.

COURSE NAME: Computer Science (PROGRAMMING USING C) CLASS – BA/B.Sc.(CS) SEMESTER – II

Objectives:

- The primary goal is to develop the programming skills in C.
- To get good knowledge of procedural language approach so that students can make software in the later stage of their course.
- This will help the students to frame the real world modeling of data and its associated functions
- This course also aims to an understanding of various concepts of C with the help of which one can create its own data types that can be used globally in different program files.

Outcomes:

- a) Knowledge and Understanding: On successful completion of this subject the students have the programming ability in C Language.
- b) Intellectual Cognitive/ Analytical Skills: Enhancing Logical Thinking and Reasoning Skills through Collaborative Learning in C Programming.
- c) Practical Skills: Students would be capable of developing various applications to solve deluge of real world problems. They can also learn to make system software as well as application software. These existing languages could become base for developing new languages which can inherent its features. On the backend of various embedded systems, these languages are deployed.
- d) Transferable Skills: In many multinational companies they can work effectively in a group or team to achieve goals and can show initiative and leadership abilities.

Course Name: General English (Compulsory)

Class: B.A. Semester: III

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

Course Outcomes:

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) **Intellectual Cognitive /Analytical skills:** Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ ਸਮੈਸਟਰ: ਤੀਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਂਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- 5. ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਂ – ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸ – ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

- ਸਮੈਸਟਰ ਤੀਜਾ
- ਕੋਰਸ ਦੇ ਉਦੇਸ਼: ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਬਾਰੇ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ ਹੈ ਤਾਂ ਜੋ ਉਹ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਪੜ੍ਹਣ ਤੇ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋ ਸਕਣ। ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾੜਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਨਿਕ ਨੇਮਾ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣਾ ਤਾਂ ਜੋ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਸੰਚਾਰ ਕਰ ਸਕਣ।
- (ੳ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਬਣਨਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ ਤੇ ਸਹੀ ਤਰਾਂ ਇਹਨਾਂ ਦੀ ਵਰਤੋਂ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਪੜ੍ਹਨ ਤੇ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- (ਅ) ਬੋਧਿਕ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ ਤੇ ਉਹਨਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜ਼ਰੀਆ ਬਣੇਗਾ।
 - ਵੱਖ-ਵੱਖ ਪ੍ਰਦੇਸ਼ਾ ਤੋਂ ਆਏ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਦੇ ਨਾਲ-ਨਾਲ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਨੂੰ ਵੀ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- (ੲ) ਅਮਲੀ ਹੁਨਰ:-
 - ਹਫਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
 - ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਤੀ ਟੈਸਟ ਲੈਣੇ।

- ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨ ਲਈ ਹਫਤੇ ਵਿਚ ਇਕ ਦਿਨ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬ੍ਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਣ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।
- (ਸ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
 - ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
 - ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਸਹੀ ਤਰ੍ਹਾ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

Class: B.Sc. Computer Science

Course: Analysis

Course Objectives:

The aims of this course are to develop an understanding of convergence in its simplest setting to explain the difference between the sequence and series in the mathematical context to lay foundations for further investigation of infinite processes, in particular differential and integral calculus.

Semester: III

Learning outcomes:

S. Knowledge and Understanding:

Students will have

- An ability to work within an axiomatic framework.

- Knowledge of some simple technique for testing the convergence of sequences and series and confidence in applying them.

- An understanding of how the elementary functions can be defined by power series with an ability to deduce some of their easier properties.

T. Intellectual(cognitive/Analytical) skills:

- Express correctly the definitions of basic concepts from the course unit, for example the definition of the limit of a sequence.

- Decide on the correctness or otherwise of statements involving the basic concepts from the course unit, providing justifications or counter examples as appropriate.

U. Practical skills:

- Decide on convergence or divergence a wide class of series of real numbers or power series with real coefficient.

- A detailed understanding of how Cauchy's criterion for the convergence of real sequences and series follows from the completeness for R and the ability to explain the steps in standard mathematical notation.

Class: B.Sc. Computer Science

Course: Analytical Geometry Semester: III

Course Objectives:

The aim of this course is to introduce the geometry of lines and conics in the Euclidean plane. Students can develop geometry with a degree of confidence and will gain fluency in the basics of Euclidean geometry. In this course, foundational mathematical training is also pursued. Curves studied include straight lines, ellipse, parabolas, hyperbolas and sphere. The course assumes a sound background in algebra, geometry and trigonometry.

Course Outcomes:

V. Knowledge and Understanding:

Students will be able to:

- Parameterize curves.
- Evaluate the distance and angle.
- Sketch conic sections.
- Identify conic sections.
- Classify quadratic equations.

W. Intellectual(cognitive/Analytical) skills:

On completion of this module, students should be able to:

- Establish rectangular coordinate system in the plane and in the space, express concept of vector both geometrically and analytically, understand operations on vectors and the properties of these operations.

- Estimate polar equations of conics and their graphs.
- Study of conics like ellipse, parabola and hyperbola.
- Express condition of parallel or perpendicular of the two lines.

Practical skills:

- Define conics and draw the graphs of conics such as ellipse, hyperbola, parabola and ellipse.

- Use the polar coordinate system, relate it to the rectangular coordinate system and graph equations using polar coordinates.

- Model real world situations with equations of conics.

- Determine equation of curves when given information that determines the curve.

COURSE NAME: Computer Science (COMPUTER ORIENTED NUMERICAL AND STATISTICAL METHODS)

CLASS – BA/B.Sc.(CS) SEMESTER – III

Objectives of the Course:

The objectives of the course are to develop numerical methods aided by technology to solve algebraic, transcendental, and differential equations, and to calculate derivatives and integrals. The course will also develop an understanding of the elements of error analysis for numerical methods and certain proofs.

Program Learning Outcomes:

- Develop appropriate numerical methods to approximate a function
- Perform an error analysis for various numerical methods
- Develop appropriate numerical methods to solve a differential equation
- Derive appropriate numerical methods to solve a linear system of equations
- Derive appropriate numerical methods to evaluate a derivative at a value
- Prove results for various numerical root finding methods

- Derive appropriate numerical methods to calculate a definite integral
- Code various numerical methods in a modern computer language

Course Name: General English (Compulsory)

Class: B.Sc. (CS) Semester: IV

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

Course Outcomes:

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) **Intellectual Cognitive /Analytical skills:** Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ. ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਂਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- 9. ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- 9. ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- 10. ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- 11. ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- 12.ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਅਤੇ ਸਵੇਜੀਵਣੀ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- 8. ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਪੰਜਾਬੀ ਸਵੈਜੀਵਨੀ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

Course: Solid Geometry Semester: IV

Class: B.Sc. Computer Science

Course Objectives:

This course provides an introduction of solid geometry that studies the size, shape, and position of 2-dimensional shapes and 3-dimensional figures.

Students will be able to identify geometric shapes in objects they use in their daily lives. Studying solid geometry provides many foundational skills and helps to build the thinking skills of logic, deductive reasoning, analytical reasoning, and problem-solving.

Course Outcomes:

A. Knowledge and Understanding:

- The method of using virtual reality in desktop application that is intended to be used for solid geometry

- Geometry covers a whole range of concepts which will be encountered in everyday life

- Show them examples of 2-D and 3-D shapes, such as a circle and a sphere

- Geometry has many practical applications like architects and interior designers need to use their geometry knowledge to guide their designs

B. Intellectual(cognitive/Analytical) skills:

- Allowing the systematic use of linear equations and matrix algebra, which are important for higher dimensions

C. Practical skills:

- 3-D Computer graphics revolutionized animation, Video games, graphics etc.

- Architectural designing is another area in which applications of solid geometry play a major role

Class: B.Sc. Computer Science

Course: Statics and Vector Calculus Semester: IV

Course Objectives:

This Course introduces the student to review vector arithmetic, distinguish point and vectors, relate geometric concepts to their algebraic representation, describe point, line, and planes, use the dot product and cross product and their applications in Graphics. In Statics, we deal with equilibrium of bodies under action of forces (bodies may be either at rest or move with a constant velocity)

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to:

- Identify conservative vector fields.
- Find the divergence and curl of a vector field.
- Evaluate line integrals of curves and vector fields.
- Use Green's theorem to evaluate line integrals.
- Gradient vector fields and constructing potentials

B. Intellectual(cognitive/Analytical) skills:

On completion of this module, students should be able to: a) calculate vector and scalar derivatives of vector and scalar fields using the grad, div and curl operators in Cartesian and in cylindrical and spherical polar coordinates; b) use suffix notation to manipulate Cartesian vectors and their derivatives; c) calculate multiple integrals in two and three dimensions including changing variables using Jacobians; d) calculate line and surface integrals and use the various integral theorems.

Undertake the analysis of symmetric beams under vertical loads and torsion of cylindrical shafts 2. Evaluate plane stresses

C. Practical skills:

- The integral ideas of the functions defined including line, surface and volume integrals - both derivation and calculation in rectangular, cylindrical and spherical coordinate systems and understand the proofs of each instance of the fundamental theorem of calculus.

- Examples of the fundamental theorem of calculus and see their relation to the fundamental theorems of calculus in calculus leading to the more generalised version of Stokes' theorem in the setting of differential forms.

- The differential ideas of divergence, curl, and the Laplacian along with their physical interpretations, using differential forms or tensors to represent derivative operations.

COURSE NAME: Computer Science (DATA STRUCTURES & PROGRAMMING LANGUAGE USING C++)

CLASS - BA/B.Sc.(CS)SEMESTER - IVObjectives of the Course:

- To take review or tour of Programming in C and make aware of limitation of C, thereby need of the origin of C++.
- To impart knowledge in such a way that students should be able to use of concept of Object Oriented Programming Approach in their programming skills.
- To imbibe with the knowledge of implementation of various features of C++ i.e. concept of Object, Object communication, Encapsulation, Data hiding, overloading, inheritance, polymorphism etc.
- To impart the basic concepts of data structures and algorithms
- To teach efficient storage mechanisms of data for an easy access.
- To design and implementation of various basic and advanced data structures.
- To introduce various techniques for representation of the data in the real world.
- To improve the logical ability

Learning Outcomes:

- Define basic static and dynamic data structures and relevant standard algorithms for them: stack, queue, dynamically linked lists, trees, graphs, heap, priority queue, hash tables, sorting algorithms.
- Demonstrate advantages and disadvantages of specific algorithms and data structures,
- Select basic data structures and algorithms for autonomous realization of simple programs or program parts

- Determine and demonstrate bugs in program, recognize needed basic operations with data structures
- Formulate new solutions for programming problems or improve existing code using learned algorithms and data structures,
- Evaluate algorithms and data structures in terms of time and memory complexity of basic operations.
- Able to know how to do programming in C++ environment.
- Able to understand and implement the concepts of object oriented approach using C++.
- Able to acquire in depth knowledge and develop software in C++
- identify different class attributes, member functions, base class and derived class and their relationships among them
- learn how to reuse the code using polymorphism

Course Name: General English

Class: B.Sc. (CS) Semester: V

Objective of the course:

- As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies
- The course also takes into objective the establishment of a close proximity of students with English literature and helping them appreciate various facets of literary genres with special deliberations on poetry

Course Outcomes:

- A. **Knowledge and Understanding:** Comprehending and appreciating literature in the pure textual form subsequently ensuring an acquaintance with English drama and its various devices.
- B. Intellectual Cognitive /Analytical skills: Learning numerous literary techniques as put forth through the curriculum and also developing general awareness on contemporary issues in target language

- C. **Practical skills :** Enhancing writing skills through skill-based questions on the same and gaining knowledge of technical writings such as technical, newspaper and finding reports along with other official documentations
- **D. Transferable skills:** Developing professional writing skills through resume building tasks and other professional write-ups

Class: B.Sc. Computer Science

Course: General Punjabi Semester: V

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : -

ਵਿਦਿਅਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੈਂਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾਤਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਅਰਥੀਆਂ ਨੂੰ ਵਿਦਿਆ ਦਾ ਮਕਸਦ ਸਮਝਾਉਣਾ। ਚੰਗੇ ਇਨਸਾਨ ਬਣਨ ਲਈ ਪ੍ਰੇਰਨਾ ਅਤੇ ਸਮਾਜਿਕ ਜ਼ਿਮੇੰਵਾਰੀਆਂ ਦੇ ਅਨੁਕੂਲ ਬਣਾਉਣਾ ਤੇ ਉੱਤਮ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਪਤ੍ਹਨ ਲਈ ਪ੍ਰੇਰਨਾ ਦੇਣਾ ਤਾਂ ਕਿ ਉਹ ਚੰਗੀ ਜੀਵਨ ਜਾਂਚ ਸਿੱਖ ਸਕਣ।

(ਓ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :-

- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖ ਵੱਖ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਲਿਖ਼ਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।

(ਅ) ਬੰਧਿਕ ਹੁਨਰ :-

- ਸਾਹਿਤ ਸਮਾਜ ਦਾ ਦਰਪਣ ਹੈ। ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜਰੀਆਂ ਬਣੇਗਾ।
- ਸਾਹਿਤ ਜਿੱਥੇ ਉਨ੍ਹਾਂ ਨੂੰ ਰੋਜਗਾਰ ਦੇ ਵਸੀਲੇ ਪ੍ਰਾਪਤ ਕਰਵਾਏਗਾ ਉੱਥੇ ਉਹ ਚੰਗੇ ਪ੍ਰਾਣੀ ਵਜੋਂ ਹੋਂਦ ਗ੍ਰਹਿਣ ਕਰਨਗੇ।
- ਸਾਹਿਤ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦੀ ਆਪਣੀ ਸੋਚ ਬਦਲੇਗੀ ਜਿਸ ਨਾਲ ਉਹ ਸਮਾਜ ਨੂੰ ਚੰਗੀ ਸੋਚ ਦੇਣਗੇ।

(ੲ) ਅਮਲੀ ਹੁਨਰ :-

- ਹਫ਼ਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
- ਸਮੇਂ ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਿਤ ਟੈਸਟ ਲੈਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨ ਲਈ ਡੀਬੇਟ ਅਤੇ ਕੋਈ ਇੱਕ ਵਿਸ਼ਾ ਦੇ ਕੇ ਉਸ ਉਪਰ ਵਿਚਾਰ –ਵਿਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਪਾਠਕ੍ਮ ਨਾਲ ਸੰਬੰਧਿਤ ਵਿਸ਼ਿਆਂ ਉਪਰ ਲਿਖਤੀ ਰੂਪ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰਾਉਣੇ ਅਤੇ ਵਿਚਾਰ ਚਰਚਾ ਕਰਾਉਣੀ।

 ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਨ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।

(ਸ)ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪਧੱਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

Class: B.Sc. Computer Science

Course: Dynamics Semester: V

Course Objectives:

This course aims to equip the student with fundamental knowledge of dynamics of machines so that student can appreciate problems of dynamic force balance, transmissibility of forces, isolation of systems and vibrations. The overall objective of this course is to learn how to analyze the motions of mechanisms, design mechanisms to have given motions and analyze forces in machines.

Learning outcomes:

A. Knowledge and Understanding:

Students will be able to

- Understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.

- Understand and use basic terms for the description of the motion of particles, vector functions and the fundamental laws of Newtonian mechanics.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

- understand the concept of terminal speed, and use it in solving mechanics problems in one dimension

B. Intellectual(cognitive/Analytical) skills:

- Analyze the applications of mathematics to the problems in physics & develop suitable mathematical method for such application.

- Solve problems relating to the motion of a projectile in the absence of air resistance

C. Practical skills:

- Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

Class: B.Sc. Computer Science

Course: Number theory Semester: V

Course Objectives:

The objective of this course is the study of basic structure and properties of integers. Learning number theory helps improving one's ability of mathematical thinking. The objectives for this course are to expose students to this beautiful theory, to understand what inspired this quote from Gauss and to allow students to experience mathematics as a creative, empirical science.

Learning Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Explore the use of arithmetical functions, the Mobius function and the Euler totient function.

- Solve systems of linear congruences with different moduli using the Chinese Remainder Theorem.

- Prove results involving divisibility and greatest common divisors.

B. Intellectual(cognitive/Analytical) skills:

- Enchance and reinforce the student's understanding of concepts through the use of technology when appropriate.

- Apply Euler-Fermat's Theorem to prove relations involving prime numbers.
C. General skills:

- Analyze the structure of real-world problems and plan solution strategies.

- Communicate quantitative data verbally, graphically, symbolically and numerically.

- Use mathematical concepts in problem-solving through integration of new material and modeling.

COURSE NAME: Computer Science (DATA BASE MANAGEMENT SYSTEM & ORACLE)CLASS – BA/B.Sc.(CS)SEMESTER – VObjective of the course:

It aims at acquainting students better with the basics of DBMS, different Architectural Models for DBMS, Normalization of data, Concurrency control problems and its management, Protection, Security and recovery aspects of databases along with practical knowledges of databases using SQL and PL/SQL. Career prospectus after completion of course of study are as Data manager, Data administrator, Database analyst, Database designer and allied jobs. Further Knowledge of database management systems software and strong programming skills are essential for achieving heights in this field.

- The key goal is to prepare students for a professional career in the field of data administration and database design.
- To get acquaint students with good knowledge of DBMS. During the course, students will learn about database design and database handling activities.
- To get acquaint students with basics of database security and administration.

- Knowledge & Understanding : Databases and their design & development
- Intellectual Cognitive/ analytical skills: Normalization of Databases.
- Practical Skills :Using SQL and PL/SQL.
- Transferable skills: Usage of DBMS design and administration

Course Name: General English

Class: B.Sc. (CS) <u>Semester</u>: VI

Objective of the course:

- As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies
- The course also takes into objective the establishment of a close proximity of students with English literature and helping them appreciate various facets of literary genres with special deliberations on poetry

- E. **Knowledge and Understanding:** Comprehending and appreciating literature in the pure textual form subsequently ensuring an acquaintance with English drama and its various devices
- F. Intellectual Cognitive /Analytical skills: Learning numerous literary techniques as put forth through the curriculum and also developing general awareness on contemporary issues in target language
- G. **Practical skills :** Enhancing writing skills through skill-based questions on the same and gaining knowledge of technical writings such as technical, newspaper and finding reports along with other official documentations
- **H. Transferable skills:** Developing professional writing skills through resume building tasks and other professional write-ups

Course Name: General Punjabi

Class: B.Sc.(CS) Semester: VI

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u>: ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਗਰੂਕ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਕਰਕੇ ਸਾਹਿਤ ਰਚਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਉਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰਥ ਹੋਣਗੇ।
- ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਹੋਏਗੀ।
- ਵਿਆਕਰਨਿਕ ਇਕਾਈਆਂ ਅਤੇ ਵਿਆਕਰਨਕ ਵਰਗਾਂ ਨਾਲ ਜੁੜੇ ਹੋਏ ਮੁੱਢਲੇ ਸੰਕਲਪਾਂ ਬਾਰੇ ਜਾਣਨਗੇ।
- ਸ਼ਬਦ ਬਣਤਰ ਤੇ ਸ਼ਬਦ ਰਚਨਾ ਦੇ ਨਾਲ-ਨਾਲ ਮਾਤ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਤੇ ਬੋਲਣ ਵਿੱਚ ਰੁਚੀ ਪੈਂਦਾ ਹੋਏਗੀ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਤਕਨਾਲੋਜੀ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਇੰਟਰਨੈੱਟ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀ ਦੀ ਬਹੁਪੱਖੀ ਸਖਸ਼ੀਅਤ ਨੂੰ ਉਘੇੜਣ ਤੇ ਨਿਖਾਰਨ ਵਿਚ ਸਹਿਯੋਗ ਦੇਵੇਗਾ।

*ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

Class: B.Sc. Computer Science

Course: Numerical Analysis Semester: VIth

Course Objectives:

This course aims to provide a first approach to the subject of algebra, which is one of the basic pillars of modern mathematics. The focus of the course will be the study of certain structures called groups, rings, fields and some related structures. Abstract algebra gives to student a good mathematical maturity and enables to build mathematical thinking and skill.

D. Knowledge and Understanding:

Students will know how

- Solve an algebraic or transcendental equation using an appropriate numerical method.
- Approximate a function using an appropriate numerical method.
- solve a differential equation using an appropriate numerical method
- evaluate a derivative at a value using an appropriate numerical method
- code a numerical method in a modern computer language

E. Intellectual(cognitive/Analytical) skills:

- Derive numerical methods for approximating the solution of problems of continuous mathematics,

- Analyze the error incumbent in any such numerical approximation,

- Implement a variety of numerical algorithms using appropriate technology.

- Compare the viability of different approaches to the numerical solution of problems arising in roots of solution of non-linear equations, interpolation.

- And approximation, numerical differentiation and integration, solution of linear systems.

F. Transferable skills:

- solve a linear system of equations using an appropriate numerical method
- Problem solving and Analytical skills
- Be able to develop numerical literacy
- Social responsibility and global citizenship skills

Class: B.Sc. Computer Science

Course: Linear Algebra Semester: VI

Course Objectives:

Algebraic structures -- such as groups, rings, and fields -- are pervasive in mathematics. This course focuses on (commutative) rings, which are sets equipped with two (commutative) operations (called addition and multiplication), and that contain an additive identity and an additive inverse for each element of the set. A fundamental example of a ring is \mathbf{Z} , the set of

integers; other important examples include Q, Z modulo n, and Q[X], which is the set of polynomials in X with rational Coefficients.

Course Outcomes:

G. Knowledge and Understanding:

Students will be able to

- Develop an understanding of linear algebra in mathematics, natural and social sciences.

- Use matrix algebra to analyze and solve equations arising in many applications that require a background in linear algebra.

- Utilize vector space terminology and describe how closely other vector spaces resemble Rn.

H. Intellectual(cognitive/Analytical) skills:

- Demonstrate factual knowledge of the fundamental concepts of spanning, linear independence, and linear transformations.

- Acquire communication and organizational skills, including effective written communication in their weekly assignments.

- Use visualization, spatial reasoning as well as geometric properties and strategies to mode, solve problems and view solutions especially in R2 and R3.

I. General skills:

- Apply mathematical methods involving arithmetic, algebra, geometry and graphs to solve problems.

- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

- Interpret and analyze numerical data, mathematical concepts and identify patterns to formulate and validate reasoning.

COURSE NAME: Computer Science (INFORMATION TECHNOLOGY)CLASS – BA/B.Sc.(CS)SEMESTER – VI

Objective:

- The primary goal is to prepare students for basics of networking
- Students will learn skills of management.
- Be able to effectively integrate IT- based solutions into the user environment

Outcomes:

- Understand professional, ethical, legal, security and social issues and responsibilities
- Be able to communicate effectively with a range of audiences
- Be able to analyse the local and global impact of computing on individuals, organizations, and society

B.Sc. Economics

PO-1 Communication of present findings and explanation of complex data.

PO-2Demonstration of awareness of global historical and institutional forces (assess the role of domestic and international institutions)

PO-4 Recognizition of the role of ethical values in decision making.

PO-5 Knowledge to develop conceptual models of behavior to predict responses to changes in policy and market conditions and investigate these changes.

Po-6 Knowledge to make decisions in everyday life like desirability of a particular financial investment opportunity, impact of public policies on healthcare or higher minimum wage etc.

PSO1 Provide fundamental knowledge related to Micro Economic concepts like consumer behavior, producer behavior, market forms, distribution of income, etc.

PSO2 Descriptive analysis of Indian Economy and Indian economic problems.

PSO3 Understanding Macro Economic Variables, theories of Income and employment determination and various macro- economic concepts essential for policy and decision making.

PSO4 Exposure to basic concepts and theories of International Trade and Public Finance enabling the students to understand the liaison between domestic policies and international scenario.

PSO5 Comprehension of Basic Concepts of Development Economics

PSO6 Analyzing data using various statistical techniques and methods for having practical application of economics.

Course Outcomes

Class: B.Sc.(Non Medical/Computer Science/Economics)/B.A Course: Algebra Semester: I

Course Objectives:

The course on Algebra deals with advance topics on matrices viz. rank, eigen values, eigen vectors and homogeneous and non homogeneous systems, solution of cubic and bi-quadratic equations.

Course Outcomes:

A. <u>Knowledge and Understanding:</u>

- Understand all basic fundamentals of Matrices and vectors
- Learn to find rank of a matrix.
- Learn to solve linear system of equations (homogeneous and non homogeneous)
- Increasing Knowledge of the basic concepts of equations.
- Aware of a variety learning aids that can be used in the teaching of solving equations.
- Know how to transform the equation.
- Understand to solve cubic and bi-quadratic equations using cardon , Descarte and Ferrari's method.

B. Intellectual(cognitive/Analytical) skills:

- Use the basic concepts of matrix algebra and vector, including linear dependence/independence, rank and nullity, for analysis of matrices and systems of linear equations.
- Use the characteristic polynomial to compute the eigen values and eigen vectors of a square matrix and use them to diagonalise matrices when this is possible; discriminate between diagonalizable and non- diagonalizable matrices.
- Orthogonally diagonalise symmetric matrices and quadratic forms.
- C. <u>General skills:</u>

- Use questioning and explanation strategies to help students learn new concepts and to support students in their problem solving activities.
- Apply mathematical methods involving arithmetic, algebra to solve problems.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

Name of the course: Micro Economics Programme: B.Sc. Economics Semester: I

Objectives of the course: The purpose of Micro Economics is to give students a thorough understanding of the principles of Economics that apply to the decisions of individuals – both consumers and producers within the larger economic system after evaluating resources, costs and tradeoffs.

Course Outcomes:

A) Learning outcomes:

- Develop the ability to explain core economic terms, concepts and theories (explain the function of market and prices as allocative mechanisms, apply concepts of equilibrium, identify and discuss the key concepts underlying comparative advantage, identify and explain major types of market failures.)
- Demonstrate the ability to employ the "economic way of thinking" (discuss the application of marginal analysis, explain the use of benefit /cost analysis, explain the contribution of economics to the analysis of non-market social issues.)
- Demonstrate awareness of global historical, and institutional forces (assess the role of domestic and international institutions and norms in shaping economics.)
- Apply economic theories and concepts to contemporary social issues as well as formulation and analysis of policy (describe how economic trade-offs and social values impact public/private social policy, and the success or failure of policies to achieve intended outcomes.)
- Recognize the role of ethical values in economic decisions (distinguish between normative and positive economics, identify the limits of economic analysis, compare and contract efficiency and equity.)

B) Knowledge and understanding: Students

- Have knowledge to develop conceptual models of behaviour to predict responses to changes in policy and market conditions and can investigate these changes.
- Have knowledge to make decisions in everyday life like desirability of a particular financial investment opportunity, impact of public policies on healthcare or higher minimum wage etc.
- Have knowledge and understanding about economic institutions and various applied areas of economics.

C) Intellectual (Cognitive/ Analytical) Skills: Students

• Have deeper understanding of economic theory and have the opportunity to apply economic principles to a number of areas including finance, urban economics, labour economics, agricultural economics, public finance and international trade.

D) Practical skills: Students

- Have ability to use the analytical tools of economics in problem solving
- Have expertise to the analysis of data.
- Have reliable claims about the likely future path of the economy.

E) Transferable skills: Students will develop transferable skills of

- Communication to present finding and explain complex data.
- Numeracy to handle complex data and apply mathematical and statistical analytical methods.
- Problem solving to extract information, draw conclusions and make recommendations.

Class: B.Sc. Economics Semester – I

Subject: Quantitative Techniques

Course outcomes:

Student will be able to:

- Know about the applicability of the various quantitative techniques to the current real world problems.
- Convey the results of quantitative analysis in an effective manner.

A. Knowledge and Understanding:

Students will

- Understand how to use various quantitative techniques for making economic decisions.
- Demonstrate a sound knowledge of statistical terms.

- Be able to explain the merits and limitations of various quantitative techniques.
- Be able to apply quantitative techniques to solve a variety of Economic problems.

B. Intellectual Skills:

Students will be able to

- Know about various mathematical and quantitative techniques such as A.P, G.P, Simultaneous equations, Differentiation etc.
- Demonstrate knowledge of applicability of various techniques to real life economic problems.

C. Practical Skills:

Students will

• be able to understand and interpret data and findings related to mathematics, statistical analysis, and other areas of business and Economics.

D. Transferable Skills:

Students will be able to

- Understand Simple and easy way to interpret the results.
- understand statistics and quantitative methods in effective manner

Course Name: Indian Economy

Programme: B.sc, B.A. (Economics)

Semester: II

Objective of the course:-

This course aims:

1. Indian economic growth, distribution and structural change: Comparative historical perspective

2. Planning for economic development: Changing contours of state and market in India

- 3. Poverty and inequality
- 4. WTO
- 5. Foreign Trade in India

6. Indian Taxation Structure

7. Indian Agriculture and Indian Industries

Course Outcomes:-

- Knowledge and understanding:- Students will know the structure and state of Indian economy, emerging challenges for economy, different sectors and sectoral growth. Students will get the knowledge of reasons for slow growth, problems of the sectors and different solution strategies.
- Intellectual Skills:-Students will identify the situation of Indian Economy, better evaluate and understand the data and problems related to different indicators of growth of countries economy. Students will intellectually search solutions for different types of problem of whole economy.
- 3. **Practical Skills**:-Dealing with different types of data and problems of economy, students will become aware of state problems. They can be evaluated the solutions, paths for development of the economy.
- 4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique to evaluate economy growth, different sector contribution and role of different sectors in the growth of any other economy.

Course Name: Quantitative Techniques

Programme: Bsc(Economics) Semester: II

Objectives of the Course:

The main objective of course is exposing students to develop their ability to critically assess and analyze the data using different statistical techniques. Another objective is to help the students design data collection plans, analyze data appropriately and interpret and draw conclusions from these analyses.

Course Outcomes:

A. Knowledge and Understanding: Students will

- Become familiar about the various statistical techniques.
- Explore the scope of the subject.
- Learn about how to collect data, organize the data, present and analyze the data and interpret the results.

B. Intellectual Skills:

Students will be able to

- Know about theories given by different economists from time to time.
- Know about the applicability of the various statistical techniques to the current real world problems.
- Demonstrate knowledge of fixed sample and large sample statistical properties of point and interval estimators.

C. Practical Skills:

Students will learn

- Demonstrate knowledge about various techniques of presenting and organizing the data.
- Demonstrate and access the various measures of averages, regression, correlation etc.
- Cross sectional and inter temporal Comparison of data.
- Interpret the data diagrammatically and applying the measures of statistics to real economic situations and research field.

D. Transferable Skills:

Students will be able to

- Understand Simple and easy way to interpret the results.
- Able to understand statistics and quantitative methods in effective manner and can compare the different measures of data collectionand analysis of the data.
- Demonstrate knowledge of probability and standard statistical distributions.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Calculus II Semester: II

Course Objectives:

This course introduces the student to integral calculus with the techniques of integration and application of integration to physical problem.

A. Knowledge and Understanding:

- Extend the concept of integrals to a variety of applications, establishing several integration
- Use a variety of mathematical techniques to evaluate integrals
- Develop problem solving skills through diverse applications of the integral
- Analyze the parameterization of curves and the polar coordinate system

B. Intellectual(cognitive/Analytical) skills:

- Examine various techniques of integration and apply them to definite and improper integrals,
- Approximate definite integrals using numerical integration techniques and solve related problems,
- Model physical phenomena using partial differential equations,-
- Compute limits of, differentiate, integrate and solve related problems involving functions represented parametrically or in polar coordinates,
- Differentiate, and integrate functions represented using power series expansions, including Taylor series, and solve related problems.

C. <u>Practical skills:</u>

Students will be able to:

- Evaluate iterated integrals and switch the order of integration.
- Find volumes of solids by calculating appropriate double integrals in rectangular and polar coordinates.
- Find surface area using a double integral.
- Evaluate triple integrals and use them to find volumes in rectangular, cylindrical and spherical coordinates.
- Use a Jacobian to make a change of variables in a double integral.

Department: Mathematics

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Calculus and Differential equations II Semester: II

Course Objectives:

This course provides an introduction to topics involving calculus and ordinary differential equations. Both Calculus and Differential equations have applications in all areas of applied Sciences and engineering. Upon completion, students will be able to understand the applications of differential and integral calculus and also demonstrate understanding of the theoretical concepts and select and use appropriate techniques for finding solutions to differential equations.

Course Outcomes:

A. Knowledge and Understanding:

-Write the definition of indefinite and definite integrals.

-Define the integral of the inverse trigonometric and hyperbolic functions.

-State the Fundamental theorem of calculus

-Find general solutions to first order, second order and higher order homogeneous and non-homogenous differential equations with constant and variable coefficients.

-find the series solution of differential equation

B. Intellectual(cognitive/Analytical) skills:

-Evaluate Indefinite integral involving hyperbolic functions and Definite integral of all the functions.

-Sketch the graph of curves (Cartesian and parametric co-ordinates)

-Calculate areas of plane regions and arc length.

- Select and apply appropriate methods to solve differential equations.

-Apply power series method to find solution of Differential equations involving Bessel and Legendre equations.

- Use fundamental theorem of calculus to evaluate integral involving algebraic and transcendental functions.

C. Practical skills:

-Present mathematics to others, both in oral and written form clearly and in a well organized manner.

- Have the ability to carry out complex calculations orally and mentally.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Analysis Semester: III

Course Objectives:

The aims of this course are to develop an understanding of convergence in its simplest setting to explain the difference between the sequence and series in the mathematical context to lay foundations for further investigation of infinite processes, in particular differential and integral calculus.

Learning outcomes:

A. Knowledge and Understanding:

Students will have

- An ability to work within an axiomatic framework.
- Knowledge of some simple technique for testing the convergence of sequences and series and confidence in applying them.
- An understanding of how the elementary functions can be defined by power series with an ability to deduce some of their easier properties.

B. Intellectual(cognitive/Analytical) skills:

- Express correctly the definitions of basic concepts from the course unit, for example the definition of the limit of a sequence.
- Decide on the correctness or otherwise of statements involving the basic concepts from the course unit, providing justifications or counter examples as appropriate.

C. <u>Practical skills:</u>

- Decide on convergence or divergence a wide class of series of real numbers or power series with real coefficient.
- A detailed understanding of how Cauchy's criterion for the convergence of real sequences and series follows from the completeness for R and the ability to explain the steps in standard mathematical notation.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Analytical Geometry Semester: III

Course Objectives:

The aim of this course is to introduce the geometry of lines and conics in the Euclidean plane. Students can develop geometry with a degree of confidence and will gain fluency in the basics of Euclidean geometry. In this course, foundational mathematical training is also pursued. Curves studied include straight lines, ellipse, parabolas, hyperbolas and sphere. The course assumes a sound background in algebra, geometry and trigonometry.

Course Outcomes:

• Knowledge and Understanding:

Students will be able to:

- Parameterize curves.
- Evaluate the distance and angle.
- Sketch conic sections.
- Identify conic sections.

- Classify quadratic equations.

• <u>Intellectual(cognitive/Analytical) skills:</u>

On completion of this module, students should be able to:

- Establish rectangular coordinate system in the plane and in the space, express concept of vector both geometrically and analytically, understand operations on vectors and the properties of these operations.
- Estimate polar equations of conics and their graphs.
- Study of conics like ellipse, parabola and hyperbola.
- Express condition of parallel or perpendicular of the two lines.

Practical skills:

- Define conics and draw the graphs of conics such as ellipse, hyperbola, parabola and ellipse.
- Use the polar coordinate system, relate it to the rectangular coordinate system and graph equations using polar coordinates.
- Model real world situations with equations of conics.
- Determine equation of curves when given information that determines the curve.

Course Content: Quantitative Techniques I

Programme: B.Sc. Economics Semester: III

Learning Outcomes:

- Students will be able to understand some basic concepts of Quantitative Techniques.
- They will also come to know the problems of Partial Derivatives and its applications in Economics.
- They will learn to use of Maxima and Minima in Economics.
- They will also understand the concept of Integeration.

1. Knowledge and Understanding:

• Students understand basics of derivatives.

- Students know various methods of partial derivatives.
- Students also know about Economic applications of maxima and minima.

2. Intellectual Cognitive /Analytical Skills:

- Students will be able to handle problems of maxima and minima.
- It will enable the students to know the use of quantitative techniques in economics.
- It will enable the students to learn economic applications of integration.

3. Practical Skills:

- Students will learn how to solve differential equations.
- Students will learn to find producer surplus.
- They will learn to find consumer surplus.

4. Transferable Skills:

- Students will be able to handle quantitative problems effectively
- They will understand the use of partial derivatives in economics.
- They will learn how to maximize profits and minimize the costs of a firm

Subject : Macro Economics

Class: B.Sc. Economics Semester – III

Course outcomes:

Learning outcomes

Develop the ability to explain macro economic terms, concepts and theories.

Develop the ability to understand the basic economic terms like inflation, business cycles, monetary and fiscal policies, working of the economy as a whole.

Knowledge and understanding

Students will

Know how to define various elements of Macro Economics.

Understand and explain the basic concepts associated with Macro Economics.

Intellectual (Cognitive/ Analytical) Skills

Define various terms related to Macro Economics

Think critically about the different theories of Macro Economics

Practical skills

Students will learn to:

Draw diagrams to show relations between different variables

Analyze the inflation rates, national income of the country etc.

Transferable skills

Understand the effect of different policies made by government

Understand the cause and effect relationship between different economic variables (like income consumption etc.)

Subject: International Trade and Public Finance

Class: B.Sc. Economics Semester – IV

Course outcomes:

- Develop the ability to explain concepts and theories related to international trade and Public Finance.
- Develop the ability to understand the basic economic terms like tariffs and non-tariffs barriers, reciprocal demand, terms of trade, taxes, public expenditure etc.

Knowledge and understanding:

Students will

- Know how to define various elements of international trade.
- Understand and explain the basic concepts associated with international trade and public finance.

Intellectual skills

Students will be able to

- Define various terms related to international trade and public finance.
- Think critically about the different theories of international trade

Practical skills

Students will learn to:

- Draw diagrams to show relations between different variables
- Analyze the actual situation of country's trade, BOP, exchange rates, taxes, public expenditure etc.

Transferable skills

• Understand the effect of different policies made by government on international trade and revenue and expenditure of country.

Course name: International Economics and Public Finance

Programme: B.A/ B.Sc.(Economics) Semester :IV

Objectives of the course:

This course aims at making students understand the meaning and importance of international trade. Students will be able to distinguish between fixed and flexible exchange rates and reasons of fluctuation in these rates. Students will also be made to understand the meaning and components of balance of payments. Students will understand about taxation, public debt , public expenditure etc.

Course Outcomes:

Knowledge and understanding:

Students will

Know how to define various elements of international trade.

Understand and explain the basic concepts associated with international trade and public finance.

Intellectual skills

Students will be able to

Define various terms related to international Economics and public finance.

Think critically about the different theories of international trade

Practical skills

Students will learn to:

Draw diagrams to show relations between different variables Analyze the actual situation of country's trade, BOP, exchange rates, taxes, public expenditure etc.

Course content : Quantitative Techniques II

Programme: B.Sc. Economics Semester: IV

Objective of the course:

At the end of this course, the students should be able to:

- Understand some basic concepts of statistics.
- Understand the problems of linear and non linear regression.
- Use of correlation ad regression in economics.
- Understand the concept of probability and probability distributions.
- Use of these statistical methods in forecasting, controlling and exploring data.

Course Outcomes:

1. Knowledge and understanding:

- Students understand basics of statistics.
- Students know various techniques of sampling.
- Students also know about linear and non linear regression, probability and probability distributions.

2. Intellectual Cognitive /Analytical skills:

- Students will be able to handle different types of data.
- It enabled the students to know the use suitable statistical techniques in economics.
- It enabled the students to interpret the results obtained
- It helps the students in getting knowledge about different distributions.

3. Practical skills.

- Students learn how to collect sample by different sampling methods.
- Students will learn how to tabulate the data.
- They learn to handle quantitative data.

4. Transferable skills

- Students will be able to handle data more effectively
- Understand the effect of different policies made by government
- They can draw conclusions about the population on the basis of sample.
- They will be able to apply advanced statistical techniques on data.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A

Course: Statics and Vector Calculus Semester: IV

Course Objectives:

This Course introduces the student to review vector arithmetic, distinguish point and vectors, relate geometric concepts to their algebraic representation, describe point, line, and planes, use the dot product and cross product and their applications in Graphics. In Statics, we deal with equilibrium of bodies under action of forces (bodies may be either at rest or move with a constant velocity)

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to:

- Identify conservative vector fields.
- Find the divergence and curl of a vector field.
- Evaluate line integrals of curves and vector fields.
- Use Green's theorem to evaluate line integrals.
- Gradient vector fields and constructing potentials

B. Intellectual(cognitive/Analytical) skills:

On completion of this module, students should be able to:

a) calculate vector and scalar derivatives of vector and scalar fields using the grad, div and curl operators in Cartesian in cylindrical and spherical polar coordinates; and b) Use suffix notation to manipulate Cartesian vectors and their derivatives; c) calculate multiple integrals in two and three dimensions including changing variables using Jacobians.

d) Calculate line and surface integrals and use the various integral theorems.

Undertake the analysis of symmetric beams under vertical loads and torsion of cylindrical shafts

C. Practical skills:

- The integral ideas of the functions defined including line, surface and volume integrals both derivation and calculation in rectangular, cylindrical and spherical coordinate systems and understand the proofs of each instance of the fundamental theorem of calculus.
- Examples of the fundamental theorem of calculus and see their relation to the fundamental theorems of calculus in calculus leading to the more generalised version of Stokes' theorem in the setting of differential forms.
- The differential ideas of divergence, curl, and the Laplacian along with their physical interpretations, using differential forms or tensors to represent derivative operations.

Class: B.Sc.(Non Medical/Computer Science/Economics)/B.A

Course: Dynamics Semester: V

Course Objectives:

This course aims to equip the student with fundamental knowledge of dynamics of machines so that student can appreciate problems of dynamic force balance, transmissibility of forces, isolation of systems and vibrations. The overall objective of this course is to learn how to analyze the motions of mechanisms, design mechanisms to have given motions and analyze forces in machines.

Learning outcomes:

A. <u>Knowledge and Understanding:</u>

Students will be able to

- Understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.
- Understand and use basic terms for the description of the motion of particles, vector functions and the fundamental laws of Newtonian mechanics.
- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.
- understand the concept of terminal speed, and use it in solving mechanics problems in one dimension

B. Intellectual(cognitive/Analytical) skills:

- Analyze the applications of mathematics to the problems in physics & develop suitable mathematical method for such application.
- Solve problems relating to the motion of a projectile in the absence of air resistance

C. <u>Practical skills:</u>

- Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

- Solve mechanics problems in one dimension that involve one or more of the forces of gravity, friction and air resistance.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Number theory Semester: V

Course Objectives:

The objective of this course is the study of basic structure and properties of integers. Learning number theory helps improving one's ability of mathematical thinking. The objectives for this course are to expose students to this beautiful theory, to understand what inspired this quote from Gauss and to allow students to experience mathematics as a creative, empirical science.

Learning Outcomes:

A. <u>Knowledge and Understanding:</u>

Students will be able to

- Explore the use of arithmetical functions, the Mobius function and the Euler totient function.
- Solve systems of linear congruences with different moduli using the Chinese Remainder Theorem.
- Prove results involving divisibility and greatest common divisors.
- -

B. Intellectual(cognitive/Analytical) skills:

- Enchance and reinforce the student's understanding of concepts through the use of technology when appropriate.
- Apply Euler-Fermat's Theorem to prove relations involving prime numbers.

C. General skills:

- Analyze the structure of real-world problems and plan solution strategies.
- Communicate quantitative data verbally, graphically, symbolically and numerically.

- Use mathematical concepts in problem-solving through integration of new material and modeling.

Subject: Development Economics

Class: B.Sc. Economics Semester – V

Course outcomes:

A) Learning outcomes:

- Develop the ability to explain core economic terms, concepts and theories related to development of an economy.
- Demonstrate the ability to employ different policies to realize the growth objectives.

B) Knowledge and understanding: Students

- Have knowledge of conceptual models of Economic Development.
- Have knowledge to policy determinants in the development of an economy.

C) Intellectual (Cognitive/ Analytical) Skills: Students

- Have deeper understanding of economic situation of an economy on different parameters and variables, and have the opportunity identify the relationship between the different economic variables for further used for policy making.
- D) Practical skills: Students
 - Have ability to use the development parameters to accelerate the growth of an economy.
 - Have expertise to the analysis the development level of the different economies.
 - Can gain knowledge related to different policies to develop the economy.
- E) Transferable skills: Students will develop transferable skills of
 - Can develop the development policy under different economic problems.
 - Can compare the data and different development indexes of the world economies.

Subject: Quantitative Techniques

Class: B.Sc. Economics Semester – V

Course outcomes:

A. Learning outcomes:

- This course aims at provide students the knowledge of statistical techniques to analysis data.
- It enabled the students to use these methods as a tool in government, private business firms and research agencies.
- These statistical methods are used in forecasting, controlling and exploring data.

B. Knowledge and understanding :

- Students will understand the scope and categories of the subjects.
- Students will know the techniques of data collection and the techniques and methods to apply and evaluate the result of economic variables and their relationships.

C. Intellectual Skills:

- Students will able to understand and apply the methods to test the validity of economic theories.
- They can further use the techniques for research purpose. They can also forecast the future values.
- Students can get the knowledge of techniques that is how to apply different techniques and different formulas and their applicability on different types of data.

D. Practical Skills:

- Students will be familiar with Quantitative methods and their application on economic variables.
- Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic theory and variable.

E. Transferable Skills:

- Students will able to analysis the data and economy and can apply any quantitative research technique.
- They will be able to use statistical techniques for economic variables for evaluation, to test validity of economic theory and forecast future values.

Course Name: ECONOMETRICS

Programme: B.Sc. Economics Semester: VI

Objective of the course:-

This course aims at provide students the knowledge of advanced econometrics statistical techniques to analysis data.

Course Outcomes:-

- Knowledge and understanding: Students will understand the scope and categories of the subjects. Students will know the techniques of data collection and the techniques and models to apply and evaluate the result of economic variables and their relationships
- 2. **Intellectual Skills:-**Students will able to understand and apply the model to test the validity of economic theories, quantitative and qualitative and further can use the models for research purpose. They can also forecast the future values.
- 3. **Practical Skills**: Students will be familiar with econometrics problems, detection tests for detecting the econometrics problem, consequences of econometrics problems and remedial measures to remove the emerging problem. Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic variables.
- 4. **Transferable Skills**:-Students will able to analysis the data and economy and can apply any quantitative research technique. They will be able to use econometrics techniques for economic variables for evaluation, to test validity of economic theory and magnitude and forecast future values.

Course Name: Quantitative Methods for Economists

Programme: B.Sc. Economics/B.A. Semester: VI

Objective of the course:-

This course aims at provide students the knowledge of statistical and mathematical techniques to analysis data. It enabled the students to use these methods as a tool in government, private business firms and research agencies. These statistical methods are used in forecasting, controlling and exploring data.

Learning outcomes:-

- 1. **Knowledge and understanding:** Students will understand the scope and categories of the subjects. Students will know the techniques of data collection and the techniques and methods to apply and evaluate the result of economic variables and their relationships.
- 2. Intellectual Skills:-Students will able to understand and apply the methods to test the validity of economic theories. They can further use the techniques for research purpose. They can also forecast the future values. Students can get the knowledge of techniques that is how to apply different techniques and different formulas and their applicability on different types of data.
- 3. **Practical Skills**: Students will be familiar with Quantitative methods and their application on economic variables. Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic theory and variable.
- 4. Transferable Skills:-Students will able to analysis the data and economy and can apply any quantitative research technique. They will be able to use stastiscal and mathematical techniques for economic variables for evaluation, to test validity of economic theory and forecast future values.

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Numerical Analysis Semester: VIth Course Objectives:

This course aims to provide a first approach to the subject of algebra, which is one of the basic pillars of modern mathematics. The focus of the course will be the study of certain structures called groups, rings, fields and some related structures. Abstract algebra gives to student a good mathematical maturity and enables to build mathematical thinking and skill.

A. Knowledge and Understanding:

Students will know how

- Solve an algebraic or transcendental equation using an appropriate numerical method.
- Approximate a function using an appropriate numerical method.
- solve a differential equation using an appropriate numerical method
- evaluate a derivative at a value using an appropriate numerical method
- code a numerical method in a modern computer language

B. Intellectual(cognitive/Analytical) skills:

- Derive numerical methods for approximating the solution of problems of continuous mathematics,
- Analyze the error incumbent in any such numerical approximation,
- Implement a variety of numerical algorithms using appropriate technology.
- Compare the viability of different approaches to the numerical solution of problems arising in roots of solution of non-linear equations, interpolation.
- And approximation, numerical differentiation and integration, solution of linear systems.

C. Transferable skills:

- solve a linear system of equations using an appropriate numerical method
- Problem solving and Analytical skills
- Be able to develop numerical literacy
- Social responsibility and global citizenship skills

Class: B.Sc. (Non Medical/Computer Science/Economics)/B.A Course: Linear Algebra Semester: VI <u>Course Objectives:</u>

Algebraic structures -- such as groups, rings, and fields -- are pervasive in mathematics. This course focuses on (commutative) rings, which are sets equipped with two (commutative)

operations (called addition and multiplication), and that contain an additive identity and an additive inverse for each element of the set. A fundamental example of a ring is Z, the set of integers; other important examples include Q, Z modulo n, and Q[X], which is the set of polynomials in X with rational Coefficients.

Course Outcomes:

A. Knowledge and Understanding:

Students will be able to

- Develop an understanding of linear algebra in mathematics, natural and social sciences.
- Use matrix algebra to analyze and solve equations arising in many applications that require a background in linear algebra.
- Utilize vector space terminology and describe how closely other vector spaces resemble Rⁿ.

B. Intellectual(cognitive/Analytical) skills:

- Demonstrate factual knowledge of the fundamental concepts of spanning, linear independence, and linear transformations.
- Acquire communication and organizational skills, including effective written communication in their weekly assignments.
- Use visualization, spatial reasoning as well as geometric properties and strategies to mode, solve problems and view solutions especially in R^2 and R^3 .

C. General skills:

- Apply mathematical methods involving arithmetic, algebra, geometry and graphs to solve problems.
- Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

- Interpret and analyze numerical data, mathematical concepts and identify patterns to formulate and validate reasoning.

Subject: Q.T.(Econometrics)

Class: B.Sc. Economics Semester – VI

Course outcomes:

5. Learning outcomes:

- Develop the ability to evaluate and can learn to apply different econometrics techniques.
- Develop the ability to forecast the economic situation based on the data.

6. Knowledge and understanding:

- Students will understand the scope and categories of the subjects.
- Students will know the techniques of data collection and models of econometrics to apply and evaluate the result of economic variables and their relationships

7. Intellectual Skills:

• Students will able to understand and apply the model to test the validity of economic theories, quantitative and qualitative and further can use the models for research purpose. They can also forecast the future values.

8. Practical Skills:

- Students will be familiar with econometrics problems
- detection tests for detecting the econometrics problem,
- Consequences of econometrics problems and remedial measures to remove the emerging problem.
- Students will familiar with different techniques and able to use these techniques to analysis any applicable dimension of economic variables.

9. Transferable Skills:

- Students will able to analysis the data and economy and can apply any quantitative research technique.
- They will be able to use econometrics techniques for economic variables for evaluation, to test validity of economic theory and magnitude, and predict the future values

PROGRAM OUTCOMES (PO)

PO1: Improve their computer literacy, their basic understanding of operative systems and a working. Develop criteria to organize and present different type of works in academic and professional environments.

PO2: Knowledge of software commonly used in academic and professional environments.

PO3: Learn how to organize information efficiently in the forms of outlines, charts, etc. by using appropriate software. Develop the skills to present ideas effectively and efficiently.

PO4: Do Academic and Professional Presentations - Designing and delivering an effective presentation and developing the various IT skills to the electronic databases.

PO5: Develop IT-oriented security issues and protocols. Design and implement a web page. Improve communication and business management skills, especially in providing technical support. Serve as the System Administrators with thorough knowledge of DBMS.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: Understand analyse and develop computer programs in the areas related to algorithms, web design, mobile application design.

PSO2: Apply standard software engineering process and strategies in software project development using open source programming environment to deliver a quality product for business success.

PSO3: To demonstrate advanced skills in the effective analysis design and realization of business system utilizing contemporary information technology.

COURSE OUTCOMES

COURSE NAME: Paper – I Introduction to Programming – C CLASS - BCA SEMESTER – I

Objectives:

- The primary goal is to develop the programming skills in C.
- To get good knowledge of procedural language approach so that students can make software in the later stage of their course.
- This will help the students to frame the real world modeling of data and its associated functions
- This course also aims to an understanding of various concepts of C with the help of which one can create its own data types that can be used globally in different program files.

Outcomes:

- a) Knowledge and Understanding: On successful completion of this subject the students have the programming ability in C Language.
- b) Intellectual Cognitive/ Analytical Skills: Enhancing Logical Thinking and Reasoning Skills through Collaborative Learning in C Programming.
- c) Practical Skills: Students would be capable of developing various applications to solve deluge of real world problems. They can also learn to make system software as well as application software. These existing languages could become base for developing new languages which can inherent its features. On the backend of various embedded systems, these languages are deployed.
- d) Transferable Skills: In many multinational companies they can work effectively in a group or team to achieve goals and can show initiative and leadership abilities.

COURSE NAME: Paper – II Introduction to Computers and Information Technology CLASS - BCA SEMESTER – I

Objectives of Course:

- Give students an in-depth understanding of why computers are essential components in business, education and society.
- Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.
- Provide hands-on use of Microsoft Office applications Word, Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Understand the basic terminology of computers
- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- Understand the difference between an operating system and an application program, and what each is used for in a computer
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Identify the applications of computer in daily life
- Understand the practical concepts of MS Word , MS Excel and MS PowerPoint

COURSE NAME: Paper – III Applied & Discrete Mathematics CLASS - BCA SEMESTER – I

- Simplify and evaluate basic logic statements including compound statements, implications, inverses, converses, and contrapositives using truth tables and the properties of logic.
- Express a logic sentence in terms of predicates, quantifiers, and logical connectives
- Apply the operations of sets and use Venn diagrams to solve applied problems; solve problems using the principle of inclusion-exclusion.
- Determine the domain and range of a discrete or non-discrete function, graph functions, identify one-to-one functions, perform the composition of functions, find and/or graph the inverse of a function, and apply the properties of functions to application problems.
- List the terms in a sequence, write a sequence in closed form, compute the sum of a finite sequence, compute the product of a finite sequence, and express sequences in terms of recursive or non-recursive forms.
- Perform basic matrix operations including sums, products, and transpose and perform 0-1 matrix operations.
- Apply rules of inference, tests for validity, and methods of proof including direct and indirect proof forms, proof by contradiction, proof by cases, and mathematical induction and write proofs using symbolic logic and Boolean Algebra.
- Solve counting problems by applying elementary counting techniques using the product and sum rules, permutations, combinations.
- Solve discrete probability problems and use sets to solve problems in combinatory and probability theory.
- Solve problems using recurrence relations and recursion to analyze algorithms and programs such as finding Fibonacci numbers and Tower of Hanoi problems.
- Solve problems using divide-and-conquer recurrence relations such as the fast multiplication algorithm and binary search.
- Describe binary relations between two sets; determine if a binary relation is reflexive, symmetric, or transitive or is an equivalence relation; combine relations using set operations and composition.
- Evaluate Boolean functions and simplify expression using the properties of Boolean algebra; apply Boolean algebra to circuits and gating networks.

<u>Program Learning Outcomes:</u> Knowledge and Understanding:

- Students develop knowledge about basic matrix operations including sums, products, and transpose.
- Students develop knowledge about how to Simplify and evaluate basic logic statements including compound statements, implications, inverses, converses, and contrapositives using truth tables and the properties of logic. , Express a logic sentence in terms of predicates, quantifiers, and logical connectives
- Students learn to apply the operations of sets and use Venn diagrams to solve applied problems; solve problems using the principle of inclusion-exclusion.
- Determine the domain and range of a discrete or non-discrete function, graph functions.
COURSE NAME: Paper – I Introduction to Programming – C ++ CLASS - BCA SEMESTER – II

Objectives of the Course:

- To take review or tour of Programming in C and make aware of limitation of C, thereby need of the origin of C++.
- To impart knowledge in such a way that students should be able to use of concept of Object Oriented Programming Approach in their programming skills.
- To imbibe with the knowledge of implementation of various features of C++ i.e. concept of Object, Object communication, Encapsulation, Data hiding, overloading, inheritance, polymorphism etc.
- To raise programming level of students in C++ to be able to apply in the real life.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills). Learning Outcomes:

A. Knowledge and Understanding:

Students will be

- Able to know how to do programming in C++ environment.
- Able to understand and implement the concepts of object oriented approach using C++.
- Able to acquire in depth knowledge and develop software in C++

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- identify different class attributes, member functions, base class and derived class and their relationships among them
- learn how to reuse the code using polymorphism

C. Practical Skills

Students will be able to learn:

- to solve a real life existing problems using the features of C++
- to develop software/ big and complex programs for a complex problems
- implement advance features of object oriented approach in other various language(s).

D. Transferable Skills :

Students will be able to

- use C++ more effectively,
- learn to think more analogously, creatively as well as comparatively
- Develop better software development skills in other language too.

COURSE NAME: Paper – II Principles of Digital ElectronicsCLASS - BCASEMESTER – II

Objectives of the Course :

This course is aimed at acquainting students with the principles of digital electronics. The course aims to equip students with the basic building blocks of all digital circuits laying more emphasis

on logic gates, combinational circuits and sequential circuits. The course also aims to impart fundamental knowledge about construction of computer memory.

Program Learning Outcomes:

Students will learn how to :

- Convert numbers from one number system to another.
- Represent information using Binary Codes.
- Draw Logic circuit Diagrams and write Truth Tables for the functions.
- Solve and minimize expressions of Boolean Algebra.
- Draw Combinational Circuits and Sequential Circuits.
- Perform address selection in semiconductor memory chips

COURSE NAME: Paper – III Numerical Methods & Statistical Techniques CLASS - BCA SEMESTER – II

Objectives of the Course:

The objectives of the course are to develop numerical methods aided by technology to solve algebraic, transcendental, and differential equations, and to calculate derivatives and integrals. The course will also develop an understanding of the elements of error analysis for numerical methods and certain proofs.

Program Learning Outcomes:

- Develop appropriate numerical methods to approximate a function
- Perform an error analysis for various numerical methods
- Develop appropriate numerical methods to solve a differential equation
- Derive appropriate numerical methods to solve a linear system of equations
- Derive appropriate numerical methods to evaluate a derivative at a value
- Prove results for various numerical root finding methods
- Derive appropriate numerical methods to calculate a definite integral
- Code various numerical methods in a modern computer language

COURSE NAME: Paper–I Computer Architecture CLASS - BCA SEMESTER – III

Objectives of the Course:

This course is about the principles of computer design; instruction set design concepts, performance enhancements, new and alternative computer architectures, and the design and implementation of high performance computing systems. To study the basic organization and architecture of digital computers (CPU, memory, I/O, software). Discussions will include digital logic and microprogramming. Such knowledge leads to better understanding and utilization of digital computers, and can be used in the design and application of computer systems or as foundation for more advanced computer-related studies.

<u>Program Learning Outcomes:</u> <u>Knowledge and Understanding:</u>

- Students will know what are registers, various types of registers and interfacing various registers.
- Students will learn about the architecture of common bus system.
- Students will learn about the different micro-operations used.
- Students will learn about Design of basic computer.
- Students will learn about Instruction Cycle, Interrupt Cycle.
- Students will understand about various kinds of memories used, memory hierarchy.
- Students will learn about I/O interface, DMA controller, modes of data transfer.
- Students will learn about difference between pipeline and vector processing.

COURSE NAME: Paper–II Database Management SystemCLASS - BCASEMESTER – IIIObjective of the course:

It aims at acquainting students better with the basics of DBMS, different Architectural Models for DBMS, Normalization of data, Concurrency control problems and its management, Protection, Security and recovery aspects of databases along with practical knowledges of databases using SQL and PL/SQL. Career prospectus after completion of course of study are as Data manager, Data administrator, Database analyst, Database designer and allied jobs. Further Knowledge of database management systems software and strong programming skills are essential for achieving heights in this field.

- The key goal is to prepare students for a professional career in the field of data administration and database design.
- To get acquaint students with good knowledge of DBMS. During the course, students will learn about database design and database handling activities.
- To get acquaint students with basics of database security and administration.

Course Outcomes:

- a) Knowledge & Understanding : Databases and their design & development
- b) Intellectual Cognitive/ analytical skills: Normalization of Databases.
- c) Practical Skills :Using SQL and PL/SQL.
- d) Transferable skills: Usage of DBMS design and administration.

COURSE NAME: Paper–III Computational Problem Solving Using PythonCLASS - BCASEMESTER – III

Objective of the course:

It aims at acquainting students better with the process of Computational Problem Solving, Python Programming Language fundamentals. Students will enrich their programming skills using Data types, List Structures, Control Structures, Functions, Objects and their Use, Modular Design and Text files handling using Python Language. Python is a very powerful language and is used in various domains so there is better career prospectus for the students after grasping thorough knowledge about Python programming. Career prospectus after completion of course of study are as Programmer, Web developer, Data Scientist, Information Officer, Application analyst, IT consultant, IT technical support officer and allied jobs. Further Knowledge of usage of Python libraries and other allied technical skills are essential for achieving heights in this field.

The key goal is to prepare students for a professional career in the field of Programing, Web development, Data Science etc.

- To get acquaint students with good knowledge of Programming skills.
- To get acquaint students with various case studies using Python.

Course Outcomes:

a) Knowledge & Understanding : Python programming.

- b) Intellectual Cognitive/ analytical skills: Application development.
- c) Practical Skills :Programming for application development and data science.

d) Transferable skills: Ability to define a practical problem, Data structure and Modular approach.

COURSE NAME: Paper – I Data Structure & File ProcessingCLASS - BCASEMESTER – IV

Objective of the course:

- 1. To impart the basic concepts of data structures and algorithms
- 2. To teach efficient storage mechanisms of data for an easy access.
- 3. To design and implementation of various basic and advanced data structures.
- 4. To introduce various techniques for representation of the data in the real world.
- 5. To improve the logical ability

Learning Outcomes:

A. <u>Knowledge and Understanding:</u>

- 1. Define basic static and dynamic data structures and relevant standard algorithms for them: stack, queue, dynamically linked lists, trees, graphs, heap, priority queue, hash tables, sorting algorithms.
- 2. Demonstrate advantages and disadvantages of specific algorithms and data structures,
- 3. Select basic data structures and algorithms for autonomous realization of simple programs or program parts
- 4. Determine and demonstrate bugs in program, recognize needed basic operations with data structures
- 5. Formulate new solutions for programming problems or improve existing code using learned algorithms and data structures,
- 6. Evaluate algorithms and data structures in terms of time and memory complexity of basic operations.

B. Intellectual Skills:

- 1. Ability to define the computer science problems.
- 2. Ability to drive different solution alternatives for the computer science problems.
- 3. Ability to analyze the solution alternatives and choose the optimum one

C. Practical Skills:

Design, build and develop programs of varying levels of complexity.

D. Transferable Skills:

Knowledge of the concepts and material presented in this course will provide the students with the capability to:

- 1. Use data structures effectively to solve practical problems.
- 2. Write and present effective computer programs that employ efficient algorithms.
- 3. Work in stressful environment and within constraints.
- 4. Search for information and adopt life-long self-learning.

COURSE NAME: Paper – II Information Systems CLASS - BCA SEMESTER – IV

Objective of the course:

It aims at acquainting students better with the essentials of Information, system and management. It encompasses study of Information Systems (IS), its functions, types and categories, various case studies of IS, Technologies for IS, Milestones in Hardware and Software and SDLC mainly. Career prospectus after completion of course of study are as Data and Information manager, Data administrator, Data analyst, Information Officer, Application analyst, IT consultant, IT technical support officerand allied jobs. Further Knowledge of Information management systems software and strong programming skills are essential for achieving heights in this field.

The key goal is to prepare students for a professional career in the field of data administration Data analysis, as Information Officer, Application analyst etc.

- To get acquaint students with good knowledge of of Information, system and management essentials. It also encompasses study of Information Systems (IS), its functions, types and categories.
- To get acquaint students with various case studies of IS, Technologies for IS, Milestones in Hardware and Software and System development life cycle aspects.

Course Outcomes:

- Knowledge & Understanding : Software Development Life Cycle (SDLC) Development
- Intellectual Cognitive/ analytical skills: System Analysis and Design
- Practical Skills : System Design Tools
- Transferable skills: Software requirement specification, S/W Design Tools, SDLC skills

COURSE NAME: Paper – III Internet ApplicationsCLASS - BCASEMESTER – IVObjectives:

- The primary goal is to prepare students for full knowlege of internet its application and working of Internet
- To get good knowledge of internet protocol, working of all protocols
- Also you can learn how to design web pages in HTML practically.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

A. <u>Knowledge and Understanding</u>):

Students will

- know how to define internet, www, various protocols
- understand the working of internet
- are able to create email id and use it for sending online mails and attachments
- Students will understand and be able to describe the differences between internet and intranet.

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- identify which medium and topology should be used for networking
- They will be able to judge which connection should they use for getting an internet at home or work.
- Browsing at high sped using keywords

C. Practical Skills

Students will learn to:

- Able to create HTML based web pages
- Dynamicity to web page using javascript.
- Create email ids
- Surf net using shortcuts.

D. <u>Transferable Skills</u> :

Students will be able to

• Create projects and earn money by selling them

COURSE NAME: Paper – IV System SoftwareCLASS - BCASEMESTER – IVObjectives of the Course:

Main objective is to learn the system software. What are the different types of system software used in a computer. Distinguish between system and application softwares and their characteristics. Understanding the roles of various system softwares.

Learning Outcomes

Upon completion, graduates with a BS degree in Software Development should be able to:

- Examine computer users' needs in order to design, construct, test and maintain computer application software or systems.
- Apply relevant methods to assess the important application development and deployment challenges involved in adopting various cloud architectures.
- Create software and web applications that are intuitive for use by a wide range of users.
- Lead and participate effectively in teams in the software development process.
- Use appropriate resources to stay abreast of the latest industry development tools and techniques.

COURSE NAME: Paper – I Computer Networks CLASS - BCA SEMESTER – V Objectives of the Course:

This course aims to an understanding of communication of data, transmission of data signals, network security and privacy, various multiplexing and switching elements. This course also aims to an understanding of various models used in networking and how to secure data using cryptography.

Program Learning Outcomes:

Knowledge and Understanding:

- Students will know what is network, its types.
- Students will learn about the different topologies used in network.
- Students will understand different protocols used in internet.
- Students will understand and be able to describe the differences between intranet, extranet and internet.
- Students will understand about various multiplexing and switching techniques used in networks.

Students will learn about various services provided by network.

COURSE NAME: Paper – II Web TechnologiesCLASS - BCASEMESTER – VObjectives of the Course:

On completion of this course, a student will be familiar with client server architecture and able to develop a web application using java technologies. Students will gain the skills and project-based experience needed for entry into web application and development careers.

Student Learning Outcomes:

Upon successful completion of this course, candidates will be able to:

- Outline the history of the web, and technologies that makes the web pages and publishing them.
- Make the web pages more dynamic and interactive.
- Design to create structure of web page, to store the data in web document, and transport information through web. Design to be reusable the software components in a variety of different environments.
- Install Tomcat Server and execution of programs on server side.
- Identify the problems in Servlets and overcome those using Java Server Pages also develop JSP applications with Model View Control architecture.
- Establish the Connection between Java Application and database) to insert, retrieve and modify the data in tables.
- Design a dynamic web application using PHP

COURSE NAME: Paper – III Operating System CLASS - BCA SEMESTER – V Objectives of the Course:

- To understand the main components of an OS & their functions
- To study the process management and scheduling.
- To understand various issues in Inter Process Communication (IPC) and the role of OS in IPC.
- To understand the concepts and implementation Memory management policies and virtual Memory.
- To understand the working of an OS as a resource manager, file system manager, process manager, memory manager and I/O manager and methods used to implement the different parts of OS
- To study the need for special purpose operating system with the advent of new emerging technologies

Student Learning Outcomes:

- Describe the important computer system resources and the role of operating system in their management policies and algorithms.
- Understand the process management policies and scheduling of processes by CPU
- 3. Evaluate the requirement for process synchronization and coordination handled by operating system
- 4. Describe and analyze the memory management and its allocation policies.
- 5. Identify use and evaluate the storage management policies with respect to different storage management technologies.
- Identify the need to create the special purpose operating system

COURSE NAME: Paper – IV JAVA Programming LanguageCLASS - BCASEMESTER – VObjectives of the Course:

Students will get familiar with

- Object-oriented programming: data abstraction, encapsulation, classes, objects, templates, operator overloading, function overloading, inheritance, polymorphism, exception handling, and streams.
- The principles of inheritance, interface and packages and demonstrate though problem analysis assignments how they relate to the design of methods, abstract classes and interfaces and packages.
- To understand importance of Multi-threading & different exception handling mechanisms.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

B. Knowledge and Understanding):

Students will

- Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and function for developing skills of logic building activity.
- Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- Evaluate how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.
- understand and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development.

C. Practical Skills

Students will be able to

- Design, implement, test, debug, and document programs that use basic data types and computation, simple I/O, conditional and control structures, string handling and functions.
- Understand the importance of Classes & objects and will be able to implement it along with constructors, Arrays and Vectors.
- Develop computer-based systems.
- Deploy the tools for software projects documentation.

D. <u>Transferable Skills</u> :

Students will be able to

- Practice Designing skills in software projects.
- Practice Engineering skills for software development.

COURSE NAME: Paper – I Computer Graphics CLASS - BCA SEMESTER – VI Objectives of the Course:

- Virtual Reality of the components of a graphics system and become familiar with building approach of graphics system components and algorithms related with them.
- To learn the basic principles of 3- dimensional computer graphics.
- Provide an understanding of how to scan convert the basic geometrical primitives, how to transform the shapes to fit them as per the picture definition.
- Provide an understanding of mapping from a world coordinates to device coordinates, clipping, and projections.
- To be able to discuss the application of computer graphics concepts in the development of computer games, information visualization, and business applications.
- To comprehend and analyze the fundamentals of animation, virtual reality, underlying technologies, principles, and applications.

Program Learning Outcomes:

Knowledge and Understanding:

- To list the basic concepts used in computer graphics.
- To implement various algorithms to scan, convert the basic geometrical primitives, transformations, Area filling, clipping.
- To describe the importance of viewing and projections.
- To define the fundamentals of animation, virtual reality and its related technologies.
- To understand a typical graphics pipeline
- To design an application with the principles of virtual reality

COURSE NAME: Paper – II Software EngineeringCLASS - BCASEMESTER – VIObjectives of the Course:

- This course introduces the concepts and methods required for the construction of large software intensive systems. It aims to develop a broad understanding of the discipline of software engineering.
- It seeks to complement this with a detailed knowledge of techniques for the analysis and design of complex software intensive systems. It aims to set these techniques in an appropriate engineering and management context.
- It provides a brief account of associated professional and legal issues

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills). Learning Outcomes:

After completing the course attendees will able to:

- Understanding the issues affecting the organisation , planning, control of software-based systems development.
- Complete the analysis and design of software intensive systems.
- Read and understand the professional and technical literature on software engineering.

B.Sc. (Information Technology)

PROGRAM OUTCOMES (PO)

PO1: Will have the ability to communicate computer science concepts, designs, and solutions effectively and professionally. Apply knowledge of computing to produce effective designs and solutions for specific problems. Identify, analyze, and synthesize scholarly literature relating to the field of computer science; and use software development tools, software systems, and modern computing platforms.

PO2: Work in a collaborative manner with others on a team, contributing to the management, planning and implementation of a computer system.

PO3: Independently propose a small scale research project, plan its execution, undertake its development, evaluate its outcome and report on its results in a professional manner.

PO4: Advance knowledge through innovation and knowledge creation. Pursue life-long learning in practice. Interpret and present theoretical issues and empirical findings.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: Gains understanding about techniques, technologies and methods used in managing and implementing information technology systems.

PSO2: Widens and deepens understanding of computing technologies and covers high level concept that enable the effective management and planning of IT project and services.

PSO3: High level strategy and design in-depth technical specializations, management and planning of IT project and services.

COURSE OUTCOMES

COURSE NAME: Paper – 1 Fundamentals of ComputersCLASS – B.Sc(IT)SEMESTER – I

Objectives of Course:

- Give students an in-depth understanding of why computers are essential components in business, education and society.
- Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.

• Provide hands-on use of Microsoft Office applications Word, Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Understand the basic terminology of computers
- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- Understand the difference between an operating system and an application program, and what each is used for in a computer
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Identify the applications of computer in daily life
- Understand the practical concepts of MS Word, MS Excel and MS PowerPoint

COURSE NAME: Paper – 2 Introduction to Programming – C CLASS – B.Sc.(IT) SEMESTER – I

Objectives:

- The primary goal is to develop the programming skills in C.
- To get good knowledge of procedural language approach so that students can make software in the later stage of their course.
- This will help the students to frame the real world modeling of data and its associated functions
- This course also aims to an understanding of various concepts of C with the help of which one can create its own data types that can be used globally in different program files.

Outcomes:

- a) Knowledge and Understanding: On successful completion of this subject the students have the programming ability in C Language.
- b) Intellectual Cognitive/ Analytical Skills: Enhancing Logical Thinking and Reasoning Skills through Collaborative Learning in C Programming.
- c) Practical Skills: Students would be capable of developing various applications to solve deluge of real world problems. They can also learn to make system software as well as application software. These existing languages could become base for developing new languages which can inherent its features. On the backend of various embedded systems, these languages are deployed.

d) Transferable Skills: In many multinational companies they can work effectively in a group or team to achieve goals and can show initiative and leadership abilities.

COURSE NAME: Paper – 3 Applied & Discrete Mathematics CLASS – B.Sc.(IT) SEMESTER – I

- Simplify and evaluate basic logic statements including compound statements, implications, inverses, converses, and contrapositives using truth tables and the properties of logic.
- Express a logic sentence in terms of predicates, quantifiers, and logical connectives
- Apply the operations of sets and use Venn diagrams to solve applied problems; solve problems using the principle of inclusion-exclusion.
- Determine the domain and range of a discrete or non-discrete function, graph functions, identify one-to-one functions, perform the composition of functions, find and/or graph the inverse of a function, and apply the properties of functions to application problems.
- List the terms in a sequence, write a sequence in closed form, compute the sum of a finite sequence, compute the product of a finite sequence, and express sequences in terms of recursive or non-recursive forms.
- Perform basic matrix operations including sums, products, and transpose and perform 0-1 matrix operations.
- Apply rules of inference, tests for validity, and methods of proof including direct and indirect proof forms, proof by contradiction, proof by cases, and mathematical induction and write proofs using symbolic logic and Boolean Algebra.
- Solve counting problems by applying elementary counting techniques using the product and sum rules, permutations, combinations.
- Solve discrete probability problems and use sets to solve problems in combinatory and probability theory.
- Solve problems using recurrence relations and recursion to analyze algorithms and programs such as finding Fibonacci numbers and Tower of Hanoi problems.
- Solve problems using divide-and-conquer recurrence relations such as the fast multiplication algorithm and binary search.
- Describe binary relations between two sets; determine if a binary relation is reflexive, symmetric, or transitive or is an equivalence relation; combine relations using set operations and composition.
- Evaluate Boolean functions and simplify expression using the properties of Boolean algebra; apply Boolean algebra to circuits and gating networks.

Program Learning Outcomes:

Knowledge and Understanding:

- Students develop knowledge about basic matrix operations including sums, products, and transpose.
- Students develop knowledge about how to Simplify and evaluate basic logic statements including compound statements, implications, inverses, converses, and contrapositives

using truth tables and the properties of logic. , Express a logic sentence in terms of predicates, quantifiers, and logical connectives

- Students learn to apply the operations of sets and use Venn diagrams to solve applied problems; solve problems using the principle of inclusion-exclusion.
- Determine the domain and range of a discrete or non-discrete function, graph functions.

COURSE NAME: Paper – 1 Principles of Digital ElectronicsCLASS – B.Sc.(IT)SEMESTER – IIObjectives of the Course :

This course is aimed at acquainting students with the principles of digital electronics. The course aims to equip students with the basic building blocks of all digital circuits laying more emphasis on logic gates, combinational circuits and sequential circuits. The course also aims to impart fundamental knowledge about construction of computer memory.

Program Learning Outcomes:

Students will learn how to :

- Convert numbers from one number system to another.
- Represent information using Binary Codes.
- Draw Logic circuit Diagrams and write Truth Tables for the functions.
- Solve and minimize expressions of Boolean Algebra.
- Draw Combinational Circuits and Sequential Circuits.

COURSE NAME: Paper – 2 Introduction to Programming C++ CLASS – B.Sc.(IT) SEMESTER – II Objectives of the Course:

- To take review or tour of Programming in C and make aware of limitation of C, thereby need of the origin of C++.
- To impart knowledge in such a way that students should be able to use of concept of Object Oriented Programming Approach in their programming skills.
- To imbibe with the knowledge of implementation of various features of C++ i.e. concept of Object, Object communication, Encapsulation, Data hiding, overloading, inheritance, polymorphism etc.
- To raise programming level of students in C++ to be able to apply in the real life.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills). <u>Learning Outcomes:</u>

A. Knowledge and Understanding:

Students will be

- Able to know how to do programming in C++ environment.
- Able to understand and implement the concepts of object oriented approach using C++.
- Able to acquire in depth knowledge and develop software in C++

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- identify different class attributes, member functions, base class and derived class and their relationships among them
- learn how to reuse the code using polymorphism

C. Practical Skills

Students will be able to learn:

- to solve a real life existing problems using the features of C++
- to develop software/ big and complex programs for a complex problems
- implement advance features of object oriented approach in other various language(s).

D. Transferable Skills :

Students will be able to

- use C++ more effectively,
- learn to think more analogously, creatively as well as comparatively
- Develop better software development skills in other language too.

COURSE NAME: Paper – 3 Numerical Methods & Statistical TechniquesCLASS – B.Sc.(IT)SEMESTER – IIObjectives of the Course:Semester – II

The objectives of the course are to develop numerical methods aided by technology to solve algebraic, transcendental, and differential equations, and to calculate derivatives and integrals. The course will also develop an understanding of the elements of error analysis for numerical methods and certain proofs.

Program Learning Outcomes:

- Develop appropriate numerical methods to approximate a function
- Perform an error analysis for various numerical methods
- Develop appropriate numerical methods to solve a differential equation
- Derive appropriate numerical methods to solve a linear system of equations
- Derive appropriate numerical methods to evaluate a derivative at a value
- Prove results for various numerical root finding methods
- Derive appropriate numerical methods to calculate a definite integral
- Code various numerical methods in a modern computer language

COURSE NAME: Paper – I Introduction to PythonCLASS – B.Sc.(IT)SEMESTER – IIIObjective of the course:

It aims at acquainting students better with the process of Computational Problem Solving, Python Programming Language fundamentals. Students will enrich their programming skills using Data types,List Structures, Control Structures,Functions, Objects and their Use, Modular Design and Text files handling using Python Language. Python is a very powerful language and is used in various domains so there is better career prospectus for the students after grasping thorough knowledge about Python programming. Career prospectus after completion of course of study are as Programmer, Web developer, Data Scientist, Information Officer, Application analyst, IT consultant, IT technical support officerand allied jobs. Further Knowledge of usage of Python libraries and other allied technical skills are essential for achieving heights in this field.

The key goal is to prepare students for a professional career in the field of Programing,Web development, Data Science etc.

- To get acquaint students with good knowledge of Programmingskills.
- To get acquaint students with various case studies using Python.

Course Outcomes:

- Knowledge & Understanding : Python programming.
- Intellectual Cognitive/ analytical skills: Application development.
- Practical Skills : Programming for application development and data science.
- Transferable skills: Ability to define a practical problem, Data structure and Modular approach.

COURSE NAME: Paper – II Data StructureCLASS – B.Sc.(IT)SEMESTER – IIIObjective of the course:

- To impart the basic concepts of data structures and algorithms
- To teach efficient storage mechanisms of data for an easy access.
- To design and implementation of various basic and advanced data structures.
- To introduce various techniques for representation of the data in the real world.
- To improve the logical ability

Learning Outcomes:

A. <u>Knowledge and Understanding:</u>

- Define basic static and dynamic data structures and relevant standard algorithms for them: stack, queue, dynamically linked lists, trees, graphs, heap, priority queue, hash tables, sorting algorithms.
- Demonstrate advantages and disadvantages of specific algorithms and data structures,
- Select basic data structures and algorithms for autonomous realization of simple programs or program parts
- Determine and demonstrate bugs in program, recognize needed basic operations with data structures
- Formulate new solutions for programming problems or improve existing code using learned algorithms and data structures,
- Evaluate algorithms and data structures in terms of time and memory complexity of basic operations.

COURSE NAME: Paper – III System Analysis & Design

CLASS – B.Sc.(IT) SEMESTER – III Objective of the course:

- Learn how to identify an organization's information processing requirements.
- Learn how to develop a detailed specification for an information system that can fulfill these requirements.
- Understand that the successful systems analyst needs to have a broad understanding of organizations, organizational culture, organizational change, organizational operations, and business processes.
- Understand that IT strategy must be conceived in an interaction with overall organizational strategy.

Learning Outcomes

After successfully completing this course, students will have gained comprehensive theoretical knowledge as well as practical skills related to the system development process of information systems. Students who successfully complete the course should be able to

- gather data to analyse and specify the requirements of a system.
- design system components and environments.
- build general and detailed models that assist programmers in implementing a system.
- design a database for storing data and a user interface for data input and output, as well as controls to protect the system and its data.

COURSE NAME: Paper – I Database Management SystemCLASS – B.Sc.(IT)SEMESTER – IVObjective of the course:SEMESTER – IV

It aims at acquainting students better with the basics of DBMS, different Architectural Models for DBMS, Normalization of data, Concurrency control problems and its management, Protection, Security and recovery aspects of databases along with practical knowledges of databases using SQL and PL/SQL. Career prospectus after completion of course of study are as Data manager, Data administrator, Database analyst, Database designer and allied jobs. Further Knowledge of database management systems software and strong programming skills are essential for achieving heights in this field.

- The key goal is to prepare students for a professional career in the field of data administration and database design.
- To get acquaint students with good knowledge of DBMS. During the course, students will learn about database design and database handling activities.
- To get acquaint students with basics of database security and administration.

Course Outcomes:

- Knowledge & Understanding : Databases and their design & development
- Intellectual Cognitive/ analytical skills: Normalization of Databases.
- Practical Skills :Using SQL and PL/SQL.
- Transferable skills: Usage of DBMS design and administration.

COURSE NAME: Paper – II Internet Applications CLASS – B.Sc.(IT) SEMESTER – IV Objectives:

- The primary goal is to prepare students for full knowlege of internet its application and working of Internet
- To get good knowledge of internet protocol, working of all protocols
- Also you can learn how to design web pages in HTML practically.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

A. <u>Knowledge and Understanding</u>):

Students will

- know how to define internet, www, various protocols
- understand the working of internet
- are able to create email id and use it for sending online mails and attachments
- Students will understand and be able to describe the differences between internet and intranet.

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- identify which medium and topology should be used for networking
- They will be able to judge which connection should they use for getting an internet at home or work.
- Browsing at high sped using keywords

C. Practical Skills

Students will learn to:

- Able to create HTML based web pages
- Dynamicity to web page using javascript.
- Create email ids
- Surf net using shortcuts.

D. <u>Transferable Skills</u> :

Students will be able to

• Create projects and earn money by selling them

COURSE NAME: Paper – III JAVA & Web Designing CLASS – B.Sc.(IT) SEMESTER – IV Objectives of the Course:

Students will get familiar with

- Object-oriented programming: data abstraction, encapsulation, classes, objects, templates, operator overloading, function overloading, inheritance, polymorphism, exception handling, and streams.
- The principles of inheritance, interface and packages and demonstrate though problem analysis assignments how they relate to the design of methods, abstract classes and interfaces and packages.
- To understand importance of Multi-threading & different exception handling mechanisms.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

B. <u>Knowledge and Understanding</u>):

Students will

- Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and function for developing skills of logic building activity.
- Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- Evaluate how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.
- understand and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development.

C. Practical Skills

Students will be able to

• Design, implement, test, debug, and document programs that use basic data types and computation, simple I/O, conditional and control structures, string handling and functions.

- Understand the importance of Classes & objects and will be able to implement it along with constructors, Arrays and Vectors.
- Develop computer-based systems.
- Deploy the tools for software projects documentation.

D. <u>Transferable Skills</u> :

Students will be able to

- Practice Designing skills in software projects.
- Practice Engineering skills for software development

COURSE NAME: Paper – IV Web TechnologiesCLASS – B.Sc.(IT)SEMESTER – IVObjectives of the Course:

- Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.
- Become familiar with graphic design principles that relate to web design and learn how to implement these theories into practice.
- Develop skills in analyzing the usability of a web site.
- Understand how to plan and conduct user research related to web usability.
- Learn the language of the web: HTML and CSS.
- Learn techniques of responsive web design, including media queries.
- Be able to embed social media content into web pages

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

Learning Outcomes:

Upon completion, graduates with a IT degree in Web Design & Development will be able to:

- Employ fundamental computer theory to basic programming techniques.
- Use fundamental skills to maintain web server services required to host a website.
- Select and apply markup languages for processing, identifying, and presenting of information in web pages.
- Use scripting languages and web services to transfer data and add interactive components to web pages.
- Create and manipulate web media objects using editing software.
- Incorporate aesthetics and formal concepts of layout and organization to design websites that effectively communicate using visual elements.
- Conceptualize and plan an internet-based business that applies appropriate business models and web technologies.
- Combine multiple web technologies to create advanced web components.
- Design websites using appropriate security principles, focusing specifically on the vulnerabilities inherent in common web implementations.

• Incorporate best practices in navigation, usability and written content to design websites that give users easy access to the information they seek.

COURSE NAME: Paper – I Computer NetworksCLASS – B.Sc.(IT)SEMESTER – VObjectives of the Course:

This course aims to an understanding of communication of data, transmission of data signals, network security and privacy, various multiplexing and switching elements. This course also aims to an understanding of various models used in networking and how to secure data using cryptography.

Program Learning Outcomes:

Knowledge and Understanding:

- Students will know what is network, its types.
- Students will learn about the different topologies used in network.
- Students will understand different protocols used in internet.
- Students will understand and be able to describe the differences between intranet, extranet and internet.
- Students will understand about various multiplexing and switching techniques used in networks.
- Students will learn about various services provided by network.

COURSE NAME: Paper – II Operating System CLASS – B.Sc.(IT) SEMESTER – V Objectives of the Course:

- To introduce students with basic concepts of Operating System, its functions and services.
- To familiarize the students with various views and management policies adopted by O.S. as pertaining with processes , Deadlock , memory , File and I/O operations.
- To brief the students about functionality of various OS like Unix , Linux and Windows XP as pertaining to resource management..

Learning Outcomes:

After studying this course, students should be able to:

- Appreciate the role of operating system as System software.
- Compare the various algorithms and comment about performance of various algorithms used for management of memory, CPU scheduling, File handling and I/O operations.
- Apply various concept related with Deadlock to solve problems related with Resources allocation, after checking system in Safe state or not.

- To appreciate role of Process synchronization towards increasing throughput of system.
- Able to describe process management and concepts of threading, multitasking.
- Able to differentiation of various scheduling algorithms and identify the reasons of Deadlock and their remedial measures in an operating system.

COURSE NAME: Paper – III E-Business CLASS – B.Sc.(IT) SEMESTER – V Objectives of the Course:

- The primary goal is to prepare students for practical use of internet for online transactions like use of e-banking
- To get good knowledge of various modes of online payment using various apps.
- Also you can learn various security mechanisms

Learning Outcomes:

- Demonstrate an understanding of the foundations and importance of E-commerce
- Demonstrate an understanding of retailing in E-commerce by: analyzing branding and pricing strategies, using and determining the effectiveness of market research assessing the effects of disintermediation.
- Analyze the impact of E-commerce on business models and strategy
- Describe Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational.
- Describe the infrastructure for E-commerce
- Describe the key features of Internet, Intranets and Extranets and explain how they relate to each other.
- Discuss legal issues and privacy in E-Commerce
- Assess electronic payment systems
- Recognize and discuss global E-commerce issues

COURSE NAME: Paper –I: Network Operating System/Client Server Application CLASS – B.Sc.(IT) SEMESTER – VI Objectives of the Course:

- Understand different types of networks, various topologies and application of networks.
- Understand types of addresses, data communication.
- Understand the concept of networking models, protocols, functionality of each layer.
- Learn basic networking hardware and tools

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

Learning Outcomes:

A. Practical Skills

Students will learn to:

- Designing of homogenous and heterogenous lab.
- Creating Windows 95/NT/Novell Netware Server.
- How to share information One PC or clients to other clients or PC
- Creating of Proxy Server.
- Creating of Database Server

BACHELOR OF BUSINESS ADMINISTRATION

Program Outcomes (OP):

PO1 : Academic Excellence : Students can cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and co-curricular aspects.

PO2 : Effective Communication : Students can communicate clearly in person and through electronic media and make meaning of the world by connecting people, ideas, media and technology.

PO3 : Professional Excellence : Students will be motivated for positions of leadership in business organizations at the local, national and international levels. This course is also helps the students who want to pursue the Chartered Accountancy, Company Secretary or other related professional course.

PO4 : Critical Thinking : Students can identify the business related problems and can able to apply different business related tools and techniques to solve the problem and to interpret results.

PO5 : Social Interaction : Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO6 : Ethics : Students can recognize different Social and Ethical issues relating to business and research aspects.

Program Specific Outcomes (PSO):

PSO1 : Students will study about principles of accounting, money & banking systems, economic theory, knowledge about business, micro & macroeconomics and management etc.

PSO2 : Improve finance management skills & build up specialist knowledge within selected area.

PSO3 : Learn knowledge relating to electronic money, electronic payment system and E-Commerce.

- **PSO4 :** Carry out experimentations in the field of Security Market.
- **PSO5 :** Gain a thorough knowledge in the subject to be able to work in projects at different research as well as academic institutions and in business field.
- **PSO6 :** Learn different tools and techniques related to Security Market.

PSO7 : Gain knowledge relating to Banking system.

COURSE OUTCOMES

COURSE NAME : ENGLISH (COMPULSORY) (BBA-101) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

Objective of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

Course Outcomes:

- 1. Comprehending and appreciating literature in the pure textual form
- 2. Ensuring an acquaintance with English drama and its various devices
- 3. Learning numerous literary techniques as put forth through the curriculum
- 4. Enhancing writing skills through skill-based questions on the same
- 5. Developing general awareness on current issues in target language
- 6. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

COURSE NAME : PUNJABI (COMPULSORY) (BBA-102) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ: ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੋਂ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਂਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੂਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- 4. ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੁ ਕਰ ਸਕਦੇ ਹਨ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਂਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੁਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

COURSE NAME : Mudali Punjabi BBA-102) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

ਕੋਰਸ ਦਾ ਨਾਂਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸਬੀ ਏ⁄ਬੀ ਐੈਸੱ ਸੀ⁄ਬੀ ਕੈਮ ਬੀ ਸੀ ਏ⁄ਬੀ ਅੈਸ ਈ ਆਈ ਟੀ⁄ ਸਮੈਸਟਰਪਹਿਲਾ ਬੀ ਵੈਕ⁄ਬੀ ਅੈਮ ਅੈਮ⁄ਬੀ ਜੇ ਅੈਮ ਸੀ

- ਕੋਰਸ ਦਾ ਉਦੇਸ਼
 - * ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਨੀ ਅਤੇ ਲਿਖਣੀ ਸਿਖਾਉਣੀ
 - * ਵਿਆਕਰਣ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਬਾਰੇ ਦੱਸਣਾ
 - * ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ
 - * ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕਰਨਾ
 - * ਸੰਵਾਦ ਰਚਾਉਣ ਦੇ ਯੋਗ ਬਣਾਉਣਾ

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਅਾਂ ਪ੍ਰਾਪਤੀਅਾਂ ਦੀਅਾਂ ਸੰਭਾਵਨਾਵਾਂ

(ੳ) ਬੌਧਿਕ ਹੁਨਰ

- * ਸ਼ੁੱਧ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਲਿਖਣ ਅਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋਣਾ
- * ਵਿਆਕਰਨ ਬਾਰੇ ਗਹਿਰਾਈ ਨਾਲ ਜਾਣਕਾਰੀ ਹੋਣਾ
- * ਮੁਹਾਵਰੇ ਅਤੇ ਅਖ਼ਾਣ ਦਾ ਅੰਤਰ ਪਤਾ ਹੋਣਾ
- * ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀਆਂ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਦੀ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ਅ) ਅਮਲੀ ਹੁਨਰ

- * ਮਾਤ ਭਾਸ਼ਾ ਪ੍ਰਤੀ ਸਤਿਕਾਰ ਦੀ ਭਾਵਨਾ
- * ਵਿਆਕਰਨ ਦੇ ਨਿਯਮਾ ਸਮਝਣ ਦੀ ਯੋਗਤਾ
- * ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਪੜ੍ਹਨ ਅਤੇ ਲਿਖ਼ਣ ਦੀ ਯੋਗਤਾ
- * ਈ-ਸਰੋਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ੲ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ 'ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

- * ਸ਼ੁੱਧ ਸੰਚਾਰ ਕਰਨ ਦੀ ਯੋਗਤਾ
- * ਟੀਮ ਵਰਕ ਦੀ ਯੋਗਤਾ
- * ਚੰਗੀ ਲੀਡਰਸ਼ਿਪ ਦੀ ਯੋਗਤਾ
- * ਸਮਸਿਆਵਾਂ ਨੂੰ ਸਮਝਣ

ਅਤੇ ਹੱਲ ਕਰਨ ਦੀ ਯੋਗਤਾ

COURSE NAME : BASIC ACCOUNTING (BBA-103) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

Objectives:

The course objective is to equip the students with the necessary theoretical and practical know how in basic accounting so that the concept can be used in analyzing business proposal. Moreover, the concepts on basics of basic accounting final account of sole traders, entrepreneur will decide before starting the business. Basic accounting is the field of accountancy concerned with the preparation of financial statements for decision makers, such as stockholders, suppliers ,banks, employees, government agencies ,owners and other stakeholders.

Course outcomes:

- Know the basics of accounts prepared by sole traders.
- Understand the Recording of transactions under Company accounts.
- Familiarize oneself with the reconciliation of bank statements.
- Understand the concept of Depreciation.
- Know the true position of business by preparing final account of sole trader.
- Identify the different methods of depreciation
- Describe the significance of final accounts of companies.
- Know the significance of tally.
- Understand the meaning of capital expenditure and revenue expenditure.
- Know about concepts, assumptions and principles of financial accounting.
- Understand the need for financial statements.
- Record transactions in Cash book.

COURSE NAME : BUSINESS ORGANIZATION AND SYSTEMS (BBA-104)CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER - 1

Objectives:

This course aims at providing fundamental knowledge and exposure of the concept, theories and practices in the field of business. Students would be made to understand the meaning of business & commerce, objectives and scope of business. They would also be exposed to the forms of business organization viz. sole proprietorship, partnership, Joint Stock Company, co-operative society etc. Students will also understand the steps in setting up of a new business.

Course outcomes:

- the basic concept of business
- trade and Aids to trade
- Forms of business organizations
- Role of creativity and innovations in business
- Understand The process of setting up of a new business
- Identify And Describe the problems in starting a new business
- Understand The Social Responsibilities Of Business
- Appreciate The Interests Of Various Stakeholders In The Business.
- Understand fundamental skills and techniques of dealings in stock exchange and produce exchange
- Discuss the importance and procedure of foreign trade
- Know about recent trends in wholesale and retailing.
- analytical and critical thinking
- a creative approach to problem solving
- decision-making
- persuasive written and oral communication

COURSE NAME : MANAGERIAL ECONOMICS- I (BBA-105) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

Objectives:

In today's dynamic economic environment, effective managerial decision

making requires timely and efficient use of information. The purpose of this course is to provide students with a basic understanding of the economic theory and analytical tools that can be used in decision making problems. Students who successfully complete the course will have a good understanding of economic concepts and tools that have direct managerial applications. The course will sharpen their analytical skills through integrating their knowledge of the economic theory with decision making techniques. Students will learn to use economic models to isolate the relevant elements of a managerial problem, identify their relationships, and formulate them into a managerial model to which decision making tools can be applied.

Course outcomes:

- The study of managerial economics offers major benefits for students and practicing managers. It enables one to learn practical applications of concepts studied in micro and macroeconomic theory.
- It is helpful in making such short term and long term decisions as: which products and services to produce? How to produce them what inputs and production techniques to employ? How much output should there be and what prices should be charged for them? When should a capital equipment be replaced? How should limited capital be allocated? What are the best sizes and locations of new plants?
- Managerial economics provides management with a strategic planning tool that can be fruitfully utilized to gain a clearer perspective of the way the world at large works, and what can be done to maintain profitability in an ever-changing environment. Much of managerial economics offers decision makers a way of thinking about changes and a framework for analyzing the consequences of strategic options.
- The selection of the product or service to be offered for sale
- The choice of production methods and optimum combination of the substitutable resources
- The determination of the best combination of price and quantity
- Promotional strategy and activities (determination of optimum advertising budget)
- The selection of plant location and distribution centers from which to sell the goods or service to consumers

COURSE NAME : COMPUTER APPLICATIONS FOR BUSINESS-I (BBA-106) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

Objectives of Course:

- 1. Give students an in-depth understanding of why computers are essential components in business, education and society.
- 2. Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.
- 3. Provide hands-on use of Microsoft Office applications Word, Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Understand the basic terminology of computers
- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- Understand the difference between an operating system and an application program, and what each is used for in a computer
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Identify the applications of computer in daily life
- Understand the practical concepts of MS Word , MS Excel and MS PowerPoint

COURSE NAME : BUSINESS COMMUNICATION (BBA- 107) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER – 1

Objectives:

This course is designed to give students a comprehensive view of communication, its scope and importance in business, and the role of communication in establishing a favorable outside the firm environment, as well as an effective internal communications program. The various types of business communication media are covered. This course also develops an awareness of the importance of succinct written expression to modern business communication.

Course outcomes:

- write effective and concise letters and memos employing appropriate business format;
- prepare informal and formal reports that include analysis and offer recommendations;
- participate in meetings and conduct proper techniques in telephone usage;
- summaries personal achievements and skills in appropriate formats for future employers .
- Demonstrate the understanding of international financial theory and applications pertaining to, e.g., exchange rate determinants, foreign exchange exposure, foreign direct investment, interest rate parity, and the balance of payment.
- Develop a frame of reference through which to identify, evaluate, and solve problems pertaining to international financial with or without complete information.
- realize the impact of language usage on applying business etiquette to a variety of professional situations;
- recognize the importance of cultural differences and how they affect communication in a business environment.

COURSE NAME : ENGLISH (COMPULSORY) (BBA- 201) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

Objective of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

Course Outcomes:

- 7. Comprehending and appreciating literature in the pure textual form
- 8. Ensuring an acquaintance with English drama and its various devices
- 9. Learning numerous literary techniques as put forth through the curriculum
- 10. Enhancing writing skills through skill-based questions on the same
- 11. Developing general awareness on current issues in target language
- 12. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

COURSE NAME : PUNJABI (COMPULSORY) (BBA- 202) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ –ਦੂਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u> : ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਨ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ । ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ । ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ ਬੌਧਿਕ ਅਤੇ ਸਰਬ-ਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- > ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਅਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।
- ਵੱਖ ਵੱਖ ਨਾਇਕਾਂ ਦੀਆਂ ਜੀਵਨੀਆਂ ਪੜ੍ਹ ਕੇ ਵਿਦਿਆਰਥੀ ਪ੍ਰੇਰਿਤ ਹੋਣਗੇ।

OURSE NAME :Mudali Punjabi (BBA-202) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II
ਕੋਰਸ ਦਾ ਨਾਮ : ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ ਸਮੇਸਟਰ –ਦੂਜਾ

 ਕੋਰਸ ਦਾ ਉਦੇਸ਼ :- ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਮੁੱਢਲਾ ਗਿਆਨ ਦੇਣਾ ਜਿਸ ਨਾਲ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਰੂਪ ਵਿਚ ਉਚਾਰਨ ਤੇ ਵਿਆਕਰਣ ਬਾਰੇ ਮੁੱਢਲੇ ਤੌਰ ਤੇ ਚੰਗੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰ ਸਕੇ। ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ ਬਾਰੇ ਦੱਸਦੇ ਹੋਏ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆ ਦੀ ਪਹਿਚਾਣ ਅਤੇ ਵਰਤੋਂ, ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ

1) ਇਸ ਨਾਲ ਵਿਦਿਆਰਥਅੀਆਂ ਦੇ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।

ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਤੇ ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ।

3) ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਪੰਜਾਬੀ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਕਾਰੀ ਤੇ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਵਿਚ ਕਾਮਯਾਬ ਹੋਣਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਅੰਦਰ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਸਿਖਣ ਤੇ ਸਮਝਣ ਦਾ ਹੌਸਲਾ ਹੋਰ ਵਧੇਗਾ।

4) ਬੱਚੇ ਆਪਣੀ ਮਾਂ-ਬੋਲੀ ਬਾਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਨਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਸ਼ਬਦਾਵਲੀ ਵਿਚ ਵਾਧਾ

ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ :

 ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸਹੀ ਰੂਪ ਵਿਚ ਸਮਝ ਸਕਣਗੇ ਅਤੇ ਉਸ ਬਾਰੇ ਖੁਦ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

2) ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਰਾਹੀਂ ਸ਼ਬਦ ਜੌੜ, ਵਾਕ ਨੂੰ ਸਹੀ ਰੂਪ ਵਿਚ ਬਣਾ ਸਕਣਗੇ।

ਤ) ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਤੇ ਸੱਭਿਆਚਾਰ ਨਾਲ ਜੁੜਣਗੇ।

ਅਮਲੀ ਹੁਨਰ (Practical skill)

 ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸ਼ਬਦ ਜੌੜ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ, ਵਾਕ ਬਣਤਰ, ਨਾਵ-ਪੜਨਾਂਵ ਨੂੰ ਚਾਟ ਦੀ ਸਹਾਇਤਾ ਨਾਲ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

 2) ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਲਈ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨਾਲ ਜੁੜੀਆਂ ਵੈਬਸਾਇਟ ਨਾਲ ਸਾਂਝ ਪਵਾਈ ਜਾਵੇਗੀ

3) ਬਲੈਕ ਬੋਰਡ ਜਾਂ ਚਾਰਟ, ਨੋਟ ਬੁੱਕ ਉਪਰ ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਸਬੰਧ, ਯੋਜਕ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਆਦਿ ਦਾ ਵਰਗੀਕਰਨ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

ਵਿਰਿਆਰਥੀ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ ਸਮੇਂ ਉਪਰ ਸਵਾਲ ਜਵਾਬ ਕੀਤੇ ਜਾਣਗੇ। ਉਹਨਾਂ ਤੋਂ ਲਿਖਤ ਕਾਰਜ ਕਰਵਾਇਆ ਜਾਵੇਗਾ। ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉਪਰ ਬੋਲਣ ਜਾਂ ਚਾਰਟ ਤੇ ਬਲੈਕ ਬੋਰਡ ਦੀ ਸਹਾਇਤਾ ਰਾਹੀਂ ਉਹਨਾਂ ਦੇ ਹੁਨਰ ਨੂੰ ਪਰਖਿਆਂ ਜਾਵੇਗਾ।

ਭਾਸ਼ਾਂ ਦੇ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

ਪੰਜਾਬੀ ਦੇ ਨਵੇਂ ਸ਼ਬਦਾਂ ਤੇ ਵਾਕਾਂ ਨੂੰ ਬਣਾਉਣ ਵਿਚ ਸਮੱਰਥ ਹੋਣਗੇ।

ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਨੂੰ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

4) ਵਿਦਿਆਰਥੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।

COURSE NAME : BUSINESS LAWS (BBA- 203) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

Objectives:

The course objective is to equip the students with the necessary understanding of the role of Government in regulating the economic and business activities; Have adequate insights into the concept of law of contract and its various essential elements; Explain the performance, discharge and remedies of breach of contract; Know the principles of Partnership and Sale of Goods and their related provisions; Describe the legal provisions relating to Consumer Protection Act.

Course outcomes:

- know the various business laws
- understand the various business laws
- familiarize oneself with the cases referred in business laws.
- Develop an understanding of the main rules and principles relevant to the law of contract
- Focus on contract formation and enforceability, factors that may render a contract
- Interpret the contractual terms and potential remedies for breach of contract.
- build ability to write and communicate in a way that showcases expertise.
- practical legal skills in business laws

COURSE NAME : PRINCIPLES OF MANAGEMENT (BBA- 204) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

Objectives:

This course aims at providing fundamental knowledge and exposure of the concept, theories and practices in the field of management. Students would be made to understand the history of management and the different approaches to the study of Management. They would also be exposed to the functions of planning, staffing, organizing, leading and controlling a functional system. Students should also be made to understand the internal & external environment in which an organization functions. The subject is geared toward providing a basic knowledge of the planning function, which involves setting goals and then deciding on how best to achieve them.

Course outcomes:

- Understand The Nature Of Management;
- Identify And Describe The Functions Of Management;
- Understand The Social Responsibilities Of Business; And
- Appreciate The Interests Of Various Stakeholders In The Business
- the basic concept of management
- nature and process of management
- the purpose of business organisations, and their relationship with the environment
- concepts and principles of business organisation and management, including the historical development of management theories and their application to contemporary business.
- Understand fundamental skills and techniques in functional management areas of information management, operations and human resource especially in handling conflicts and change.

COURSE NAME : MANAGERIAL ECONOMICS- II (BBA- 205) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

Objectives:

In today's dynamic economic environment, effective managerial decision making requires timely and efficient use of information. The purpose of this course is to provide students with a basic understanding of the economic theory and analytical tools that can be used in decision making problems. Students who successfully complete the course will have a good understanding of economic concepts and tools that have direct managerial applications. The course will sharpen their analytical skills through integrating their knowledge of the economic theory with decision making techniques. Students will learn to use economic models to isolate the relevant elements of a managerial problem, identify their relationships, and formulate them into a managerial model to which decision making tools can be applied.

Course outcomes:

After the completion of the topics, Students will be able to

- Students who choose business as a career will also find economics extremely useful. It may be noted in this context that people like doctors, lawyers or other professionals are in business, too. Knowledge of economics is extremely useful in business decision making which is designed to increase the firm's profit and enable the firm to operate more efficiently.
- Moreover, economic theory is useful in helping decision makers to decide how to adapt to external changes in economic variables. For instance, increasing advertising or sales promotion expenditure or undertaking investments involve economic decisions. Therefore, a clear understanding of economic theory helps managers make the right (most profitable) decisions.
- Moreover, knowledge of economic theory is also useful to those who work for non-profit organizations like hospitals, charitable trusts, cooperative societies, etc. Certainly the goals of these organizations do not involve profit maximization, but they do involve economic efficiency.
- The Ministry of Finance, for instance, may be required to allocate a fixed budget to attain the maximum benefit in education, medical care, and so forth permitted by the size of the budget.
- Or, it may be entrusted with the responsibility of attaining a certain goal at the minimum possible cost. Managerial economics does provide the tools needed to solve these economic problems.
- Economics helps not only managers of private business firms, but also managers of nonprofit organizations to adapt to changes in the economic environment in the most efficient manner. So managerial economics provides efficient decision-making tools to those also who are employed in non-business operations.

COURSE NAME : COMPUTER BASED ACCOUNTING SYSTEM (BBA-
CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II206)

Objectives:

Whether your accounting system is simple or complex, it must meet certain objectives to keep your business running smoothly. It's difficult to make informed business decisions without accurate financial data that helps you see where you are, where you've been and trends that may determine where you're headed. The objectives of an accounting information system should be to provide information to decision makers in a format that is easy to understand. Whether your accounting system is simple or complex, it must meet certain objectives to keep your business running smoothly. It's difficult to make informed business decisions without accurate financial data that helps you see where you are, where you've been and trends that may determine where you're headed. The objectives of an accounting information system should be to provide information to decision makers in a format that is easy to understand.

Course outcomes:

- know the applications of computerized accounting
- understand the various types of accounting software
- familiarize oneself with the techniques used in computerized accounting
- Know the concepts of vouchers
- Identify the different types of vouchers
- Creating and implementing RDM for financial accounting
- Know the steps in creation of company in tally
- Understand the manual v/s computerized accounting
- Know about steps in development of accounting information system
- Creations of various types of accounting groups
- Describe accounting vouchers
- SQL to retrieve data and generate accounting information
- Understand tally and their features and benefits .
- Display, creation and alteration of accounting vouchers
- Understand various type of records and vouchers
- System of vouchers and database design, storing and maintain transaction data

COURSE NAME : FUNDAMENTALS OF BANKING (BBA- 207) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

Objectives:

The course objective is to the students with the necessary theoretical know how in banking so that the concept can be used in banking services. Moreover, the concepts on deposits, loan, account opening etc. whether to knowledge of monetary policy bank rates SLR CRR etc.. Fundamental banking is important mainly because it helps how to use banking services and facility of these sector in various sectors.

Course outcomes:

- know the various sources of finance
- understand the various uses for finance
- familiarize oneself with the techniques used in financial management.
- Know the role of banks
- Identify the different types of deposits
- Describe the types of loans
- Know the significance of and role of RBI
- Understand the meaning of bank rates
- Know about banking services
- Understand the need for business and consumer loans
- Point out the significance of bank deposits
- Describe the monetary policy
- Describe the kinds of deposits
- Describe the role of RBI

COURSE NAME : DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION (COMPULSORY) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-II

Objectives of the Course:

The objective of course is to explore Meaning, Nature and Extent of Drug Abuse in India and Punjab. It provides knowledge Consequences of Drug Abuse for individual, family, society and nation. It also explains the Medical Management, Psychiatric Management, and Social Management. It explore the prevention and management of the drug abuse.

Course Content:

The course provides an introduction and overview of drug abuse, characteristics of drugs and their classifications. It explores the environmental and behavioral changes in drug addicted person, consequences of drug use. It also provides knowledge how to do management of drug abuse. It develops new and improved strategies to prevent drug use. It includes medical management having medications for treatment and to reduce the withdrawal effects. It also provides the behavioral and cognitive therapy. It also provides the knowledge of programmers for prevention and cure of drug abuse.

Course Outcomes:

A. <u>Knowledge and Understanding</u>):

Students will

- Understand the Meaning of Nature and Extent of Drug Abuse in India and Punjab and Consequences of Drug Abuse
- Understand the management of the Drug Abuse
- Understand the Prevention of Drug Abuse
- Understand the Controlling Drug Abuse

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be able to

- Identify the difference between varieties of drugs.
- Know the types of drug abuse.
- Think critically regarding the prevention and management of drug abuse.
- Provide awareness, seminar, camps regarding drug abuse
- The NDPs act, Statutory warnings, Policing of Borders

D. <u>Transferable Skills</u>:

Students will be able to

• Communicate with public during seminars.

- Work with the de-addiction centers.
- Provide counseling, family and group therapy.
- Do advertisements on bad effects of drugs, Publicity and media, Campaigns against drug abuse, Educational and awareness program.

COURSE NAME : ENGLISH (COMPULSORY) (BBA- 301) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

Course Outcomes:

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) **Intellectual Cognitive /Analytical skills:** Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

COURSE NAME : PUNJABI (COMPULSORY) (BBA- 302) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ ਸਮੇਸਟਰ: ਤੀਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਂਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੋਂ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਚ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- 4. ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

COURSE NAME: Mudli Punjabi (BBA- 302) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

ਕੋਰਸ ਦਾ ਨਾਂ - ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸ – ਬੀ.ਕਾਮ/ ਬੀ.ਏ./ ਬੀ.ਐਸ.ਸੀ. ਸਮੈਸਟਰ– ਤੀਜਾ

- ਕੋਰਸ ਦੇ ਉਦੇਸ਼: ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਬਾਰੇ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ ਹੈ ਤਾਂ ਜੋ ਉਹ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਪੜ੍ਹਣ ਤੇ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋ ਸਕਣ। ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾੜਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਨਿਕ ਨੇਮਾ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣਾ ਤਾਂ ਜੋ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਸੰਚਾਰ ਕਰ ਸਕਣ।
- (ੳ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਬਣਨਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ ਤੇ ਸਹੀ ਤਰਾਂ ਇਹਨਾਂ ਦੀ ਵਰਤੋਂ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਪੜ੍ਹਨ ਤੇ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- (ਅ) ਬੋਧਿਕ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ ਤੇ ਉਹਨਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜ਼ਰੀਆ ਬਣੇਗਾ।
 - ਵੱਖ-ਵੱਖ ਪ੍ਰਦੇਸ਼ਾ ਤੋਂ ਆਏ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਦੇ ਨਾਲ-ਨਾਲ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਨੂੰ ਵੀ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- (ੲ) ਅਮਲੀ ਹੁਨਰ:-
 - ਹਫਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
 - ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਤੀ ਟੈਸਟ ਲੈਣੇ।
 - ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਂਦਾ ਕਰਨ ਲਈ ਹਫਤੇ ਵਿਚ ਇਕ ਦਿਨ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
 - ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬ੍ਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਣ ਦੀ ਜਗਿਆਸਾ ਪੈਂਦਾ ਹੋਵੇ।
- (ਸ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
 - ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
 - ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਸਹੀ ਤਰ੍ਹਾ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

COURSE NAME : STATISTICS FOR BUSINESS (BBA- 303) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

Objectives:

The course objective is to equip the students with the necessary theoretical and practical know how in Business Statistics so that the concept can be used in analyzing investment proposal. Moreover, the concepts of central tendency i. e mean ,median, mode and various concepts of dispersion ,correlation helps in knowing the trend of various variables and how future forecasting can be done on this basis. The changes in prices and quantity can be judged with the help of index numbers. The uncertain future variables can be judged up to some extent and predicted on the basis of theory of probability.

Course outcomes:

- Understand about different types of statistical tools
- Techniques of analyzing central tendency.
- Index numbers and theory of Probability.
- Analyse the business proposals.
- Find out the dispersion from central values.
- compute and enumerate various figures in the business.
- Understand the meaning of Business Statistics
- Know about techniques of business statistics.
- Understand the need for central tendency.
- Point out the significance of Probability analysis.
- Describe the trend change in value through index numbers.
- Defining the relation between various variables withy help of correlation and regression analysis.
- Quantifying the changes in one variable with the changes in other variables.

COURSE NAME : FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (BBA- 304) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

Objectives:

Human Resources are the key to any organisation, and the efficient and ethical management of these resources will impact an organisation's success. The course objective is to teach the concepts of Human Resource Management for the students enrolled in Business Administration. The course will provide specific knowledge, skills and competences at an appropriate level, which the students will acquire with the successful completion of the course. Students will learn the importance of Human Resource.

Course outcomes:

- know the various functions of Human Resource Management.
- know the scope of HRM
- familiarize oneself with the different concepts used in Human Resource Management.
- study the different skills which are required to be a good manager.
- know the process of recruitment, selection and training.
- know the various methods of performance evaluation.
- develop human resource planning process.
- develop good planning, organizational, analytical and decision making skills.
- develop confidentiality, tact and discretion when dealing with.
- identify factors that influence organizational change and discuss how they impact the role of human resources managing it.
- outline and understand the organisational role and context of Human Resource Management (HRM)

COURSE NAME : FUNDAMENTALS OF MARKETING MANAGEMENT (BBA- 305) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

Objectives:

To understand the fundamentals principles of marketing, marketing concepts and identify its key components and limitations. Compare a production orientation and a marketing orientation, create customer value and satisfaction.

Course outcomes:

- know the marketing concepts
- understand the marketing environment
- familiarize oneself with use of internet in collecting information
- Analyzing the Microenvironment; Needs and Trends
- The Demographic Environment
- Economic
- Social-Cultural and Natural
- Technological
- Political-Legal Environment.
- The Buying Decision Process: The Five Stage Model. Levels of Marketing Segmentation,
- Bases for segmenting consumer markets: Market Targeting, Bases for segmenting business markets.
- Meaning of Features of advertising
- Importance of advertising
- Advertising and Publicity,
- Functions of advertising. Advertising media, advertising copy, Objections against advertising. Sales
- Promotions. Direct Marketing, Personnel Selling, Interactive Marketing and Word of Mouth marketing
- Channels of distributions

COURSE NAME : INDIAN FINANCIAL SYSTEM (BBA- 306) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–III

Objectives:

This course is designed to provide students information regarding the concept of Indian financial system ,financial markets and financial intermediaries. Due to Liberalization, Privatization and Globalization (LPG), investors can invest both in national and international markets also. So main objective of this course is to provide students basic knowledge of various issues involved in capital markets.

Course outcomes:

- Know the importance and function of Indian financial system
- Understand the SEBI guidelines.
- Learn role of RBI
- Get information regarding mutual Funds
- Realize the benefits of capital Markets
- Learn about managerial decisions.
- Acquire knowledge about capital market Instruments.
- To get in-depth knowledge of Indian financial system
- To find out role of SEBI
- Understand role and functions of RBI
- Conceptual knowledge of capital market Instruments.
- Theoretical knowledge of capital Markets
- Understand the Role of SEBI
- Understand the Role of RBI

COURSE NAME : MANAGEMENT ACCOUNTING (BBA- 307) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-III

Objectives:

Management Accounting is an essential tool that enhances a manager's ability to make effective economic decisions. The course objective is to give students a good understanding about the concepts and techniques of management accounting. The aim of this course is to encourage the acquisition of knowledge and skills relating to the application of management accounting concepts and techniques for business decisions, short-term and long-term/strategic decision-making models, cost management ideas, and budgeting and associated performance measurement practices.

Course outcomes:

- Apply managerial accounting and its objectives in a way that demonstrates a clear understanding of ethical responsibilities.
- Prepare various costing schedules where an analysis of cost classification, behaviour, and type is completed.
- Apply and analyze different types of activity-based management tools through the preparation of estimates.
- Analyze cost-volume-profit techniques to determine optimal managerial decisions.
- Prepare a master budget and demonstrate an understanding of the relationship between the components.
- Perform cost variance analysis and demonstrate the use of standard costs in flexible budgeting.
- Outline and apply management tools and techniques such as the balanced scorecard, operational performance measures, quality, and environmental cost management.
- Prepare analyses of various special decisions, using relevant costing and benefits.
- Set-up and use a scheme of cost allocation;
- Set-up and use accounting for overhead costs;
- Implement job-costing and process-costing systems.

COURSE NAME : ENGLISH (COMPULSORY) (BBA- 401) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

Course Outcomes:

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) Intellectual Cognitive /Analytical skills: Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

COURSE NAME: PUNJABI (COMPULSORY) (BBA- 402) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ. ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- 10. ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- 11. ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- 12. ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਅਤੇ ਸਵੇਜੀਵਣੀ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਂਦਾ ਹੋਵੇਗੀ।
- 8. ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਪੰਜਾਬੀ ਸਵੈਜੀਵਨੀ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੁਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

COURSE NAME : BASIC PUNJABI (BBA- 402) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

Objectives of the Course: This paper is designed to familiarize students with important developments in Sikh history till Guru Arjan Dev. The curriculum will acquaint the pupils with major ideas and thoughts of the Sikh religion developed during this period. It will give basic information about the life and teachings of the first five Sikh masters.

Course Outcomes:

A. Knowledge and understanding

This study programme will enhance the knowledge of students about the Sikh history of Punjab from 1469-1606.

B. Intellectual Skills

Students will be able to

- > Acquire General knowledge and subject expertise
- Prepare for competitive exams

C. Practical skills

- > Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- ➤ It will develop analytical skills among them.

D. Transferable Skills

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME : FINANCIAL MANAGEMENT (BBA- 403) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

Objectives:

The course objective is to equip the students with the necessary theoretical and practical know how in Financial management so that the concept can be used in analysing business proposal. Moreover, the concepts on capital budgeting techniques, risk analysis and sensitivity analysis can be used in judging whether to accept or reject the proposal. Financial management is important mainly because it helps you make decisions towards the maximization of value of the firm. No doubt importance of Financial Management is immeasurable in the business sector.

Course outcomes:

- know the various sources of finance
- understand the various uses for finance
- familiarize oneself with the techniques used in financial management.
- Know the functions of finance
- Identify the different types of finance
- Describe this relationship between finance with other allied disciplines
- Know the significance of financial goals
- Understand the meaning of Capital budgeting
- Know about capital expenditure
- Understand the need for capital investment
- Point out the significance of capital budgeting
- Describe the capital budgeting process
- Spell out the factors influencing investment decisions
- Describe the kinds of capital budgeting decisions
- Analyse the combined effects of financial and operating leverages
- Understand capital structure and value of a company and their relationship

COURSE NAME : PRODUCTION AND OPERATIONS MANAGEMENT (BBA- 404) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

Objectives:

The course objective is to make the students aware to apply management principles to the production function. As the students are going to opt Masters' Degree after completing their Graduation, operations' management is a very demanding stream these days. Therefore, it is a good attempt for the students to keep in touch with this topic via Productions and operations management.

Course outcomes:

- know the various sources to transform the inputs to outputs
- understand how to apply management principles to the production function
- Familiarize one with the techniques used in operations management.
- Know the functions of operations management
- Identify the different types of techniques of quality control
- Know the significance of productions and operations management.
- The practical aspects of work study
- The complete knowledge of supply chain management
- The various aspects of Inventory decisions
- The complete knowledge of Economic Batch Quantity with joint production runs
- Just in Time Manufacturing system
- Inventory management

COURSE NAME : BUSINESS ENVIRONMENT(BBA- 405)CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-IV

Objectives:

The course objective is to equip the students with the necessary theoretical and practical know how in Business Environment so that the concept can be used in analysing business proposal. Moreover, the concepts on Annual Budget, LPG, Fiscal policies and Monetary Policies analysis can be used in judging whether to accept or reject the proposal. Business Environment is important mainly because it helps you make decisions towards increasing the effect of various business environments on the business. No doubt importance of Business Environment is immeasurable in the business sector.

Course outcomes:

- Understand about different types of Business Environment.
- Techniques of analyzing business.
- Annual budgets in India.
- Create plans for the business.
- Find out loopholes in Corporate Governance.
- Cope up with various CSR requirements set by govt.
- Understand the meaning of Business Environment.
- Know about techniques of business analysis.
- Understand the need for Economic Reforms.
- Point out the significance of business analysis.
- Describe the environment analyzing process
- Spell out the factors influencing business decisions
- Describe the kinds of business environments.
- Analyze the combined effects of internal and external environments.
- Understand Fiscal Policy and Monetary Policy.

COURSE NAME : OPERATIONS RESEARCH (BBA- 406) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

Objectives:

The course objective is to equip the students with the necessary theoretical and practical know how in Operations Research so that the students become aware that the techniques and methods of OR helps in providing quantitative aid to the management in decision making process. Operations research is the application of methods of modern science on complex problems arising in the direction and management of large systems of men, machines, materials and money in the industry, business, government and defence. The students will learn that OR methods in the industry can be applied in the field of production, inventory control, sales and marketing, purchasing, transportation and competitive strategies etc.

Course outcomes:

- Understand the various models in OR
- Learn the benefits of these models in decision making processes
- Know the applicability of OR
- Identify the uses of OR
- Know the techniques used in OR
- Understand the various problems
- Learn about optimality
- Learn the need for applying various techniques of OR
- Understand how to maximize the profits and minimize the costs
- Explain the need and importance of LPP
- Explain why particular job is assigned to particular person
- Explain about how to cut down the costs
- Clarify how two competitors could be satisfied

COURSE NAME : FUNDAMENTALS OF INSURANCE (BBA- 407) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–IV

Objectives:

This course is designed to provide students with an understanding of the meaning and importance of Insurance in present scenario. In order to live a safe and secure life, it is very important for human beings (individual or corporate) to protect them from any type of risk. This can be done through Insurance. Various types of insurance policies are provided by government and private sectors to provide social security to individuals. These insurance policies comprise of life insurance, marine insurance, motor vehicle insurance, health insurance and liability insurance.

Course outcomes:

- > Know the importance and functions of Insurance in present era.
- > Understand the various insurance policies in order to cover different types of risks.
- Learn various principles of insurance.
- > Get information regarding development of insurance sector in India.
- ➢ Realize the benefits of getting Insurance policies.
- Learn various new concepts of insurance.
- > Acquire knowledge about underwriting and process of underwriting.
- > Understand the need, importance and principles of insurance
- Learn the various types of insurance in detail
- Learn about the various distribution channels in insurance
- Understand the role of Insurance Specialists
- > Get insurance policy as per their requirements.
- Find job opportunities for themselves by studying role of insurance sector in development of Indian economy.
- > Tell the importance and use of insurance to others.
- > Explain the various principles of Insurance
- > Explain the various reforms in The Indian Insurance Sector
- > Analyse the importance of Insurance Industry
- Analyse the need of distribution channels in Insurance and Insurance Specialists

COURSE NAME : ENGLISH (COMPULSORY) (BBA- 501) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

Objective of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

Course Outcomes:

- 1. Comprehending and appreciating literature in the pure textual form
- 2. Ensuring an acquaintance with English drama and its various devices
- 3. Learning numerous literary techniques as put forth through the curriculum
- 4. Enhancing writing skills through skill-based questions on the same
- 5. Developing general awareness on current issues in target language
- 6. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

COURSE NAME : PUNJABI (COMPULSORY) (BBA- 502) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

ਕੇਰਸ ਦਾ ਨਾਂ – ਲਾਜਮੀ ਪੰਜਾਬੀ ਕਲਾਸ – ਬੀ.ਏ. /ਬੀ.ਐਸ.ਸੀ/ ਬੀ.ਕਾਮ. ਸਮੈਸਟਰ –ਪੰਜਵਾਂ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : -

ਵਿਦਿਅਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾਤਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਅਰਥੀਆਂ ਨੂੰ ਵਿਦਿਆ ਦਾ ਮਕਸਦ ਸਮਝਾਉਣਾ। ਚੰਗੇ ਇਨਸਾਨ ਬਣਨ ਲਈ ਪ੍ਰੇਰਨਾ ਅਤੇ ਸਮਾਜਿਕ ਜ਼ਿਮੈਂਵਾਰੀਆਂ ਦੇ ਅਨੁਕੂਲ ਬਣਾਉਣਾ ਤੇ ਉੱਤਮ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਪੜ੍ਹਨ ਲਈ ਪ੍ਰੇਰਨਾ ਦੇਣਾ ਤਾਂ ਕਿ ਉਹ ਚੰਗੀ ਜੀਵਨ ਜਾਂਚ ਸਿੱਖ ਸਕਣ।

ਉ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :-

- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖ ਵੱਖ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।

(ਅ) ਬੰਧਿਕ ਹੁਨਰ :-

- ਸਾਹਿਤ ਸਮਾਜ ਦਾ ਦਰਪਣ ਹੈ। ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜਰੀਆਂ ਬਣੇਗਾ।
- ਸਾਹਿਤ ਜਿੱਥੇ ਉਨ੍ਹਾਂ ਨੂੰ ਰੋਜਗਾਰ ਦੇ ਵਸੀਲੇ ਪ੍ਰਾਪਤ ਕਰਵਾਏਗਾ ਉੱਥੇ ਉਹ ਚੰਗੇ ਪ੍ਰਾਈ ਵਜੋਂ ਹੋਂਦ ਗ੍ਰਹਿਣ ਕਰਨਗੇ।
- ਸਾਹਿਤ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦੀ ਆਪਣੀ ਸੋਚ ਬਦਲੋਗੀ ਜਿਸ ਨਾਲ ਉਹ ਸਮਾਜ ਨੂੰ ਚੰਗੀ ਸੋਚ ਦੇਣਗੇ।

(ੲ) ਅਮਲੀ ਹੁਨਰ :-

- ਹਫ਼ਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
- ਸਮੇਂ ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੈਖਿਕ ਅਤੇ ਲਿਖਿਤ ਟੈਸਟ ਲੈਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨ ਲਈ ਡੀਬੇਟ ਅਤੇ ਕੋਈ ਇੱਕ ਵਿਸ਼ਾ ਦੇ ਕੇ ਉਸ ਉਪਰ ਵਿਚਾਰ –ਵਿਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਪਾਠਕ੍ਮ ਨਾਲ ਸੰਬੰਧਿਤ ਵਿਸ਼ਿਆਂ ਉਪਰ ਲਿਖਤੀ ਰੂਪ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰਾਉਣੇ ਅਤੇ ਵਿਚਾਰ ਚਰਚਾ ਕਰਾਉਣੀ।
- ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪਤ੍ਹਨ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।

(ਸ)ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪਧੱਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

COURSE NAME : m`uFII pMjwbI (BBA- 502) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

Objectives: The course is designed to familiarize the students with the Sikh traditions from the sixth master to tenth master. It will also acquaint the about the folk traditions and cultural aspects of the Punjab.

Course Outcomes:

A. Knowledge and understanding

Students will understand the history of Punjab from the foundation of first Sikh empire in 1799 to the formation of New Punjab in 1966.

B. Intellectual Skills

Students will be able to

- > Acquire General knowledge and subject expertise
- Prepare for competitive exams

C. Practical skills

- Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- > It will develop analytical skills among them.

D. Transferable Skills

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME : COMPANY LAW (BBA- 503) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

Objectives:

The course' objective is to equip the students with the necessary understanding of the role of Government in regulating the economic and business activities; The objectives of the Centre and its members are to undertake and promote research on company laws & attract students of the highest caliber to the Law School's programs and provide opportunities for their involvement in company law research projects. To acquire expert knowledge of the practical and procedural aspects of the Companies Act. Improving the functioning of official liquidators through application of e-governance. Protection of investor and promotion of investor's education awareness for growth of corporate sector in the country.

Course outcomes:

- know the emerging issues in company law
- understand the types of companies ,illegal association
- familiarize oneself with the cases referred in company laws.
- Develop an understanding of the main rules and principles relevant to the nature of company ,formation and its Incorporation
- Focus on MOA, AOA and issue of prospectus and how company meetings arranged n winding up of company.
- Understand the concept of E-governance, Insider trading, credit Rating agencies.
- build ability to write and communicate in a way that showcases expertise.
- practical legal skills in company laws
- Demonstrate a comprehensive contextual knowledge of the concepts and emerging issues in company law
- Demonstrate an understanding of legal processes relevant to company laws;
- Interpret primary materials relevant to company laws and apply the law to company problems to determine an arguable outcome;
- Evaluate legal principles and employ legal techniques to analyse competing considerations and resolve practical problems in the area of company laws;
- Outline basic terms that might be used in legal practice; like Demat of accounts.
- Structure and present a coherent and persuasive legal argument.

COURSE NAME : ENTREPRENEURSHIP & SMALL BUSINESS (BBA- 504) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

Objectives:

Students would be made to understand the history of entrepreneurship development and small business. They would also be exposed to the concept, functions and theories of entrepreneurship development. Students should also be made to understand the internal & external environment in which an entrepreneur functions. The subject is geared toward providing a basic knowledge of the entrepreneurship, which involves setting up entrepreneurship goals and then deciding on how best to achieve them.

Course outcomes:

- Explain the purpose of entrepreneurship development in tourism, and their relationship with the environment
- Identify and evaluate concepts and scope of entrepreneurship development and management, entrepreneurship development activities.
- Understand The Nature Of entrepreneurship development
- Identify And Describe The; characteristics of entrepreneurship development
- Understand women entrepreneurship
- Understand fundamental skills and techniques of entrepreneur in risk taking, decision making and business planning.
- Discuss the relevance achievement and role of entrepreneurship development programme importance.
- an understanding of enterpreneurs behaviour and structure
- analytical and critical thinking
- a creative approach to problem solving
- decision-making
- self-reliance, initiative and the ability to manage time, projects and resources

COURSE NAME : COST ACCOUNTING (BBA- 505) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

Objectives:

The course objective is to equip the students with the necessary theoretical and practical know how in Cost Accounting the concept can be used in analyzing business total cost. Moreover, the concepts on Budgetary control techniques, Marginal costing and Standard costing can be used to control and compare cost of different products. Cost Accounting is important mainly because it helps you make decisions towards the maximization of per unit cost of the firm. No doubt importance of Cost accounting is immeasurable in the business sector.

Course outcomes:

- know the various types of Costs.
- understand the various methods of cost.
- familiarize oneself with the techniques used in Cost accounting
- Know the functions of Cost.
- Identify the different types of Cost.
- Describe the relationship between Cost with other allied disciplines
- Know the significance of different types of Costs.
- Understand the meaning of Total cost and Per unit cost.
- Know about Cost Sheet.
- Understand the need for Absorption costing.
- Point out the significance of Unit costing.
- Describe the budgetary control process.
- Spell out the factors influencing different costs.
- Describe the kinds of Cost control.
- Analyze the combined effects of Job and Batch control.
- Understand Marginal Costing and Break Even Analysis.

COURSE NAME : CONSUMER BEHAVIOUR (BBA- 511) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–V

Objectives:

The course objective is to introduce students to consumers, consumer behavior in the market place and analyze marketing strategies. The principal factors influencing consumer behavior are discussed and the buying decision process analyzed.

Course outcomes:

- Be able to identify the dynamics of consumer behavior.
- Understand the various factors influencing consumer decision process.
- Know about the models of consumer behavior and their practical application.
- Recognize the social and ethical implications of marketing actions on consumer behaviour .
- Analyze the dynamics of motivating consumers .
- To understand the effect of diffusion of innovation in the consumer adoption process .
- Appraise models of Consumer Behaviour .
- Determine the relevance of theories to practical marketing situations.
- Understand the importance of consumer related reference groups

COURSE NAME : ADVERTISING & SALES MANAGEMENT (BBA- 512) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-V

Objectives:

This course is designed to provide students information regarding the concept of Advertising and salesmanship. It covers the concepts of advertising, modes of advertising, Advertising Media, salesmanship, recruitment and selection of sales force training needs of sales force, Compensation and performance evaluation.

Course outcomes:

- Know the importance and function of advertising
- Understand the advertising Media
- Understand the role of sales force
- Get information regarding modes of advertising.
- Realize the benefits of advertising
- Learn about training needs of sales force
- Acquire knowledge about performance evaluation methods.
- To get in-depth knowledge modes of advertising.
- To find out role of sales force
- Understand role and functions of advertising
- Conceptual knowledge of sales management
- Understand the procedure of advertising
- Access the information regarding advertising media
- Gets practical knowledge regarding training needs of salesman.

COURSE NAME : ENGLISH (COMPULSORY) (BBA- 601) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–VI

Objectives of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

Course Outcomes:

- 1. Comprehending and appreciating literature in the pure textual form
- 2. Ensuring an acquaintance with English drama and its various devices
- 3. Learning numerous literary techniques as put forth through the curriculum
- 4. Enhancing writing skills through skill-based questions on the same
- 5. Developing general awareness on current issues in target language
- 6. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

COURSE NAME : PUNJABI (COMPULSORY)(BBA- 602)CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-VI

ਕੋਰਸ ਦਾ ਨਾਮ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ.

ਸਮੈਸਟਰ: ਛੇਵਾਂ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u>: ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਗਰੂਕ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਕਰਕੇ ਸਾਹਿਤ ਰਚਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਉਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰਥ ਹੋਣਗੇ।
- ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਹੋਏਗੀ।
- ਵਿਆਕਰਨਿਕ ਇਕਾਈਆਂ ਅਤੇ ਵਿਆਕਰਨਕ ਵਰਗਾਂ ਨਾਲ ਜੁੜੇ ਹੋਏ ਮੁੱਢਲੇ ਸੰਕਲਪਾਂ ਬਾਰੇ ਜਾਣਨਗੇ।
- ਸ਼ਬਦ ਬਣਤਰ ਤੇ ਸ਼ਬਦ ਰਚਨਾ ਦੇ ਨਾਲ-ਨਾਲ ਮਾਤ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਤੇ ਬੋਲਣ ਵਿੱਚ ਰੁਚੀ ਪੈਂਦਾ ਹੋਏਗੀ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਤਕਨਾਲੋਜੀ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਇੰਟਰਨੈੱਟ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀ ਦੀ ਬਹੁਪੱਖੀ ਸਖਸ਼ੀਅਤ ਨੂੰ ਉਘੇੜਣ ਤੇ ਨਿਖਾਰਨ ਵਿਚ ਸਹਿਯੋਗ ਦੇਵੇਗਾ।

*ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

COURSE NAME : Basic Punjabi (BBA- 602) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–VI

Objectives: This course aims at acquainting students with history of Punjab during the period of Maharaja Ranjit Singh and after him (1799-1966). It also aims to show how the Britishers annexed Punjab after his reign. It also aims to show how Punjabi's contributed in the freedom struggle.

Course Outcomes:

A. Knowledge and understanding

Students will understand the history of Punjab from the foundation of first Sikh empire in 1799 to the formation of New Punjab in 1966.

B. Intellectual Skills

Students will be able to

- > Acquire General knowledge and subject expertise
- Prepare for competitive exams

C. Practical skills

- > Students will learn to make assignment and prepare seminars.
- > They will be able to analyze the relation of the past with the present situations.
- > It will help them to get prepared for the various competitive exams.
- > It will develop analytical skills among them.

D. Transferable Skills

- Communication skills
- Analytical skills
- Critical thinking
- ➢ Knowledge

COURSE NAME : INCOME TAX (BBA- 603) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER-VI

Objectives:

The course objective is to equip the student with the necessary understanding of the role of income tax department in regulating the income tax returns. The objective of the study is to obtain the opinion and perception of the taxpayers about the influence of e-filing in their tax compliance patterns. Identifying personal characteristics of taxpayers. Establishing and examine the taxpayers' level of knowledge of about e-filing. Determining constraints that lead to taxpayers' non-compliance.

Course outcomes:

After the completion of the topics, Students will be able to

- know the Steps involved in computation of tax
- know the meaning and scope of direct tax
- Receive knowledge relating to various heads for computing tax
- Know how to compute tax liability after deductions
- Understand the Nature Of income tax
- Understand the process of computing tax liability
- Develop and understanding of the main rules and regulations of income tax .
- Compute residential status of individual
- How to compute total income of individual.
- build ability to apply and communicate in a way that showcases expertise.
- have strong tax awareness plus the essential skills to file income tax return.
- Awareness relating to exemptions and deductions
- understanding of filing of returns
- analytical and critical thinking
- a creative approach to problem solving related to tax
- decision-making

COURSE NAME : FUNDAMENTALS OF CAPITAL MARKETS (BBA- 604) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–VI

Objectives:
This course is designed to provide students information regarding the capital market and its importance in present scenario. Capital Market is a long term market in which various types of securities are issued or traded. In order to control and investigate different activities in the capital market, SEBI Act was passed in 1992. The basic objective of SEBI is not only control the securities market but also provide protection to investors. Due to Liberalization, Privatization and Globalization (LPG), investors can invest both in national and international markets also. So main objective of this course is to provide students basic knowledge of various issues involved in capital market.

Course outcomes:

After the completion of the topics, Students will be able to

- ▶ Know the importance and functions of capital market in present era.
- > Understand the various financial instruments issued by company to raise finance.
- > Learn functions and importance of capital market.
- > Get information regarding role of SEBI in controlling securities markets in India.
- Realize the benefits of issuing various securities from view point of investors and company.
- Learn about various new sources of finance.
- > Acquire knowledge about process of issuing new securities.
- > To get in-depth knowledge of different type of financial institutions available in India.
- > To find out role of financial institutions in development of Indian economy.
- > Understand role and functions of participants in capital market.
- > Differentiate between new issue market and capital market.
- > Demarcate between capital market and money market
- > Invest in various sources of finance as per their requirements.
- Find job opportunities for themselves by studying role of capital market in development of Indian economy.
- > Tell the importance stock exchanges to investors.
- > Understand the procedure of listing securities in stock exchange.
- > Access the information regarding mutual funds and its types.
- Get practical knowledge regarding investment in securities and perform the job of financial advisor.

COURSE NAME : SERVICES MARKETING (BBA- 611) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–VI

Objectives:

The course objective is to provide an introduction to service marketing activities which involve the efforts to promote and sell intangible services. In addition to intangibility, services are inseparable, inherently variable and perishable. Using these four features, students are taught primary objectives of service marketing such as building trust, empowering service delivery personnel, establishing uniform process and promoting customer satisfaction.

Course outcomes:

After the completion of the topics, Students will be able to

- Know the conceptual framework of service marketing.
- Understand the characteristics and classification of services.
- Learn the service marketing mix.
- Learn the 4Ps of service marketing in detail.
- Acquire knowledge regarding extended 3Ps of service marketing mix.
- Learn the service marketing implementation through services marketing triangles, servqual model rater, PZB gap model.
- Demonstrate the understanding of service marketing activities and applications pertaining to 7Ps(4Ps +3Ps extended) e.g. product service mix, price, place, promotion, people, process, physical evidence.
- Develop a frame of reference through which to identify, evaluate and solve problems related to 7Ps of service marketing mix and service marketing implementation.
- Build ability to explore and communicate in a way that showcases expertise.
- Have strong service marketing awareness and gain essential skills to function as effective service marketing managers both at national and international level.
- Develop a multi-disciplinary knowledge base of evolution and understanding of service marketing to aid with problem solving and decision making skills to support service business.
- Develop an in-depth understanding of topics related to training and development of employees, motivation and empowerment, importance of service scopes, strategies for managing inconsistency, and customer service in service marketing.

COURSE NAME : E-MARKETING (BBA- 612) CLASS - BACHELOR OF BUSINESS ADMINISTRATION SEMESTER–VI

Objectives:

The basic objective of this paper is to make the students aware of the relevant aspects of electronic marketing. Moreover, this subject helps to understand the Search Engine Optimization, Electronic Payment Systems, Video marketing and Blogging. No doubt importance of online marketing is growing in everyone's life.

Course outcomes:

After the completion of the topics, Students will be able to

- Know the various aspects of e-marketing;
- Understand the various principles and search engines optimization of e-marketing;
- Familiarize oneself with the present scenario of the online marketing and m-commerce in India.
- Understand key issues relating to online advertisement and electronic payment systems.
- Know the details of e-marketing;
- To know the various principles and search engines optimization of e-marketing;
- Describe customer loyalty and satisfaction relationship;
- Understand key relating to online advertisement and electronic payment systems.
- Meaning of e-marketing;
- How to follow the electronic payment systems;
- Understand the pay per click marketing;
- Familiarize oneself with video marketing and use of debit and credit cards;
- Understand key issues relating to mobile marketing trends and terminologies.
- Understanding benefits and applications of Mobile Phones and smart phones applications;
- Describe the use of customer relationship management and e-marketing in modern business scenario.

Bachelor of Commerce

Program Outcomes (OP):

PO1 : Academic Excellence : Students can cope up with the latest developments in contemporary, national and global level through effective transaction of the curricular and co-curricular aspects.

PO2 : Professional Excellence : Students will be motivated for positions of leadership in business organizations at the local, national and international levels. This course is also helps the students who want to pursue the Chartered Accountancy, Company Secretary or other related professional course.

PO3 : Effective Communication : Students can communicate clearly in person and through electronic media and make meaning of the world by connecting people, ideas, media and technology.

PO4 : Ethics : Students can recognize different Social and Ethical issues relating to business and research aspects.

PO5 : Social Interaction : Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO6 : Critical Thinking : Students can identify the business related problems and can able to apply different business related tools and techniques to solve the problem and to interpret results.

Program Specific Outcomes (PSO):

PSO1 : Students will study about principles of accounting, money & banking systems, economic theory, knowledge about business, micro & macroeconomics and management etc.

PSO2: Improve finance management skills & build up specialist knowledge within selected area.

PSO3 : Learn different tools and techniques related to Security Market.

PSO4 : Carry out experimentations in the field of Security Market.

PSO5: Gain a thorough knowledge in the subject to be able to work in projects at different research as well as academic institutions and in business field.

PSO6 : Learn knowledge relating to electronic money, electronic payment system and E-Commerce.

PSO7 : Gain knowledge relating to Banking system.

COURSE OUTCOMES

COURSE NAME : English (Compulsory) CLASS - Bachelor of Commerce

BCG-101

SEMESTER – 1

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense • Be in the present tense • Singular/plural forms of regular nouns • Parts of speech

LITERATURE

Understand a basic paragraph • Scan for specific words in a text • Know most sound-to-letter correspondences • Write sentences using a limited vocabulary • Write a paragraph using a limited vocabulary • Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding:

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- Digital copywriter
- Editorial assistant
- English as a foreign language teacher
- <u>Lexicographer</u>
- <u>Magazine journalist</u>
- <u>Newspaper journalist</u>
- Publishing copy-editor/proofreader
- <u>Secondary school teacher</u>
- Web content manager
- <u>Writer</u>

Transferable Skills :

- Setting schedules and working under deadline The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.
- **Communicating clearly and grasping tone** -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.

- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- **Taking constructive criticism or ''agreeing to disagree** Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

COURSE NAME : Punjabi (Compulsory) CLASS - <u>Bachelor of Commerce</u>

(BCG-102)

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ: ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੁਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

COURSE NAME : Financial Accounting CLASS - Bachelor of Commerce SEMESTER – 1

Objective of the course

The course objective is to equip the students with the necessary theoretical and practical know how in Financial accounting so that the concept can be used in analyzing business proposal. Moreover, the concepts on basics of financial accounting.voyage account, final account of sole traders, how to manage different departments under Departmental accounts and different accounts prepared by Branches at different places helps in deciding the form of business organization that an entrepreneur will decide before starting the business. Financial accounting is is the field of accountancy concerned with the preparation of financial statements for decision makers ,such as stockholders, suppliers ,banks, employees, government agencies ,owners and other stakeholders.

Course Outcomes

Students will

- Know the basics of accounts prepared by sole traders.
- Understand the Recording of transactions under Department accounts and Branch accounts.
- Familiarize oneself with the recording of transactions under Voyage account.
- Understand the concept of Consignment and Joint venture.
- Know the true position of business by preparing final account of sole trader.
- Identify the different types of finance and importance of Branch system.
- Describe the significance of Departmental accounting.
- Know the significance of consignment and joint venture.
- Understand the meaning of capital expenditure and revenue expenditure.
- Know about concepts, assumptions and principles of financial accounting.
- Understand the need for departmental accounting.
- Record transactions under voyage accounts.
- Spell out the factors influencing branch accounting.
- Understand the concept of consignment and joint venture.
- Explain the goals and functions of financial accounting
- Prepare and present final account of sole trader .
- Analyze financial statements and describe the economic health of a company.
- Explain the benefits of financial forecasting and prepare proforma financial statements.
- Prepare financial accounts for departmental accounting.
- Decide the form and account for branch accounting.
- Recommend techniques for preparation of capital and revenue expenditure.

SEMESTER – 1 COURSE NAME : Business communication CLASS - <u>Bachelor of Commerce</u>

(BCG-104)

Objective of the course:

This course is designed to give students a comprehensive view of communication, its scope and importance in business, and the role of communication in establishing a favorable outside the firm environment, as well as an effective internal communications program. The various types of business communication media are covered. This course also develops an awareness of the importance of succinct written expression to modern business communication.

Course Content:

The course offers a practical approach to corporate communication that includes training in the principles and key elements of business writing and the effective delivery of oral presentations. The course content focuses on selected written and oral forms of communication related to topics and issues critical to students of Commerce.

Course Outcomes

A Knowledge and Understanding:

Students will

- write effective and concise letters and memos employing appropriate business format;
- prepare informal and formal reports that include analysis and offer recommendations;
- participate in meetings and conduct proper techniques in telephone usage;
- summarise personal achievements and skills in appropriate formats for future employers .

B. Intellectual (Coginitive/ Analytical Skills:

- Demonstrate the understanding of international financial theory and applications pertaining to, e.g., exchange rate determinants, foreign exchange exposure, foreign direct investment, interest rate parity, and the balance of payment.
- Develop a frame of reference through which to identify, evaluate, and solve problems pertaining to international financial with or without complete information.

C. Practical Skills

Students will learn to

- perform effectively interviews
- prepare and deliver an oral presentation utilizing electronic software;

D. Transferable Skills

- realize the impact of language usage on applying business etiquette to a variety of professional situations;
- recognize the importance of cultural differences and how they affect communication in a business environment.

SEMESTER – 1 COURSE NAME: Business Organisation CLASS - Bachelor of Commerce

(BCG-105)

Objective of the course:

The course objective is to equip the students with the necessary knowledge related to Business which is a set of activities undertaken with the prospect of sale for the purpose of earning a profit. Profit is the extra income over the expenses. The main objective of any business is to earn a profit. Just as a plant cannot survive without water, similarly a business cannot sustain without profit. Profits likewise show the scale of stability, efficiency, and advancement of the business organization. In the long run, the survival of the business completely depends upon the market share captured by the business. The creation of good and satisfaction of the needs of the customer is a crucial purpose of the business. So to generate profit and demand, the business must supply premium quality and give value for money products.

Learning Outcomes

A Knowledge and Understanding:

Students will understand about the forms of business Organization including the nature of business with business ethics as well as acquainting them with location of industry and various factors influencing location ,size of industry, optimum firm ,advantages of large ,scale operation, limitation of small scale operation , industrial estates , district industries centres. The knowledge of Stock Exchange Function ,Types Working - Regulation of Stock Exchange in India. Business Combination and the Causes as well as types with effects of Combination in India.

B. Intellectual (Coginitive/ Analytical Skills):

- Create plans for business
- Find out loop holes in business decisions.
- Cope up with various characteristics and requirements aimed by business.

C. Practical Skills

Students will learn to

- Understand the meaning of Business Organization.
- Know about techniques of business analysis.
- Understand forms of business organizations
- Point out the significance of business ethics.
- Describe the Functioning of Stock Market
- Spell out the factors influencing Business decisions
- Describe the kinds of Business Combinations and effects of Combinations in India..
- Analyze the combined effects large scale and small size business.

D. Transferable Skills

- 1. Explain the goals and functions of business organization
- 2. Prepare and present blueprint of form of business organization.
- 3. Analyze different environments and describe the economic health of a country.
- 4. Explain the benefits of business ethics in business.
- 5. Explain small sector and large sector industries.
- 6. Decide the effect of business combinations and types of business combinations.
- 7. Recommend various ways to fulfill Corporate Social Responsibility.

(BCG-106) SEMESTER – 1

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Business Statistics so that the concept can be used in analysing investment proposal. Moreover, the concepts of central tendency i. e mean ,median, mode and various concepts of dispersion ,correlation helps in knowing the trend of various variables and how future forecasting can be done on this basis. The changes in prices and quantity can be judged with the help of index numbers.The uncertain future variables can be judged upto some extent and predicted on the basis of theory of probability.

Coures Outcomes

A Knowledge and Understanding:

Students will

- Understand about different types of statistical tools
- Techniques of analyzing central tendency.
- Index numbers and theory of Probability.

B. Intellectual (Coginitive/ Analytical Skills):

Students will be able to

- Analyze the business proposals.
- Find out the dispersion from central values.
- Compute and enumerate various figures in the business.

C. Practical Skills

Students will learn to

- Understand the meaning of Business Statistics
- Know about techniques of business statistics.
- Understand the need for central tendency.

- Point out the significance of Probability analysis.
- Describe the trend change in value through index numbers.
- Defining the relation between various variables withy help of correlation and regression analysis.
- Quantifying the changes in one variable with the changes in other variables.

D. Transferable Skills

Students will be able to

- 1. Explain the goals and functions of Business Statistics
- 2. Prepare and enumerate various variables.
- 3. Analyze different variables and their relations with each other.
- 4. Explain the probability which helps in forecasting.
- 5. Explain correlation and dispersion
- 6. Decide the effect of variation in values from the central value with help of dispersion.
- 7. Recommend techniques for analyzing business figureseffectively.

SEMESTER – 1 COURSE NAME: computer fundamental CLASS - <u>Bachelor of Commerce</u>

(BCG-107)

Objectives of Course:

- 1. Give students an in-depth understanding of why computers are essential components in business, education and society.
- 2. Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.
- 3. Provide hands-on use of Microsoft Office applications Word, Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Understand the basic terminology of computers
- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components

- Understand the difference between an operating system and an application program, and what each is used for in a computer
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Identify the applications of computer in daily life
- Understand the practical concepts of MS Word , MS Excel and MS PowerPoint

COURSE NAME : English (Compulsory)BCG-201CLASS - Bachelor of CommerceSEMESTER - 2

Objective of the Course:

Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

• Simple present tense • Be in the present tense • Singular/plural forms of regular nouns • Parts of speech

LITERATURE

Understand a basic paragraph • Scan for specific words in a text • know most sound-to-letter correspondences • Write sentences using a limited vocabulary • write a paragraph using a limited vocabulary • Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding :

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience

- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately

• Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- <u>Digital copywriter</u>
- Editorial assistant
- English as a foreign language teacher
- <u>Lexicographer</u>
- <u>Magazine journalist</u>
- <u>Newspaper journalist</u>
- <u>Publishing copy-editor/proofreader</u>
- <u>Secondary school teacher</u>
- Web content manager
- <u>Writer</u>

<u>**Transferable Skills :**</u>

• Setting schedules and working under deadline - The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term

paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.

- **Communicating clearly and grasping tone** -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- **Taking constructive criticism or "agreeing to disagree** Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

COURSE NAME : Punjabi (Compulsory)(BCG-202)CLASS - Bachelor of CommerceSEMESTER - 2

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ -ਦੂਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u>: ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਨ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ । ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ । ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ ਬੌਧਿਕ ਅਤੇ ਸਰਬ-ਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- > ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਅਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।
- ਵੱਖ ਵੱਖ ਨਾਇਕਾਂ ਦੀਆਂ ਜੀਵਨੀਆਂ ਪੜ੍ਹ ਕੇ ਵਿਦਿਆਰਥੀ ਪ੍ਰੇਰਿਤ ਹੋਣਗੇ।

COURSE NAME : Advanced Financial Accounting(BCG-203)CLASS - Bachelor of CommerceSEMESTER - 2

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Financial accounting so that the concept can be used in analyzing business proposal. Moreover, the concepts on basics of partnership, admission of partnership, dissolution of partnership and retirement helps in deciding the form of business organization that an entrepreneur will decide before starting the business. Financial accounting is important mainly because it helps you make decisions towards the maximization of value of the firm . No doubt importance of Advanced Financial Accounting is immeasurable in the business sector.

Course Outcomes

A Knowledge and Understanding:

Students will

*Know the real value of non cash expense of depreciation and the value of asset.

*Understand Recording of transactions under single entry system.

*Familiarize oneself with the partnership form of business organization.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Know the functions of provisions and reserves.
- Identify the different types of finance and importance of hire purchase system.
- Describe the significance of partnership form of business organization.
- Know the significance of financial goals

C. Practical Skills

Students will learn to

- Understand the meaning of depreciation.
- Know about provisions and reserves.
- Understand the need for hire purchase system for finance.
- Record transactions under single entry system.

- Describe the basics of partnership deed.
- Spell out the factors influencing partnership decisions.
- Describe the effects of admission and retirement decisions on partnership.
- Analyse the effects of dissolution of firm.
- Understand difference between dissolution of firm and dissolution of partnership.

D. Transferable Skills

Students will be able to

- 1. Explain the goals and functions of financial accounting.
- 2. Prepare and present statement of affairs under single entry system.
- 3. Analyze financial statements and describe the economic health of a company.
- 4. Explain the benefits of financial forecasting and prepare proforma financial statements.
- 5.prepare financial accounts for partnership firms.
- 6. Decide the form and amount of long term financing that best suits a given corporate need,

based on historical and projected analysis specifically hire purchase system of finance.

7. Recommend techniques for preparation of provisions and reserves.

COURSE NAME :Commercial Law (BCG-204) CLASS - Bachelor of Commerce SEMESTER – IInd

Objective of the course:

The course objective is to equip the students with the necessary understanding of the role of Government in regulating the economic and business activities; Have adequate insights into the concept of law of contract and its various essential elements; Explain the performance, discharge and remedies of breach of contract; Know the principles of Partnership and Sale of Goods and their related provisions; Describe the legal provisions relating to Consumer Protection Act. **Course Content:**

This course aims at introducing students to some specific contracts wherein parties, given the circumstances, stand at a peculiar relationship with respect to one another entailing certain specific rights and obligations, for example, the contract of indemnity, guarantee, agency and partnership. The emphasis on these areas is because they play a crucial role in commercial transactions and a strong conceptual foundation in these areas is likely to be invaluable in practice.

<u>Course Outcomes</u> A Knowledge and Understanding:

Students will

- know the various commercial laws
- understand the various commercial laws
- familiarize oneself with the cases referred in commercial laws.

B. Intellectual (Coginitive/ Analytical Skills:

- Develop an understanding of the main rules and principles relevant to the law of contract
- Focus on contract formation and enforceability, factors that may render a contract
- Interpret the contractual terms and potential remedies for breach of contract.

C. Practical Skills

Students will learn to

- build ability to write and communicate in a way that showcases expertise.
- practical legal skills in commercial laws

D. Transferable Skills

Students will be able to

1. Demonstrate a comprehensive contextual knowledge of the concepts and principles of commercial laws;

2. Demonstrate an understanding of legal processes relevant to commercial laws;

3. Interpret primary materials relevant to commercial laws and apply the law to commercial problems to determine an arguable outcome;

4. Evaluate legal principles and employ legal techniques to analyse competing considerations and resolve practical problems in the area of commercial laws;

5. Outline basic contract terms that might be used in legal practice;

6. Structure and present a coherent and persuasive legal argument.

COURSE NAME :Business Economics(BCG-205)CLASS - Bachelor of CommerceSEMESTER – II nd

Objective of the course : This course aim to provide knowledge of Micro Economics and Macro Economics.

Course content : The course will provide a study of Economic Theory related to consumer, producer, Market and National Income and consumption. The course will familiar students with theories, laws and equilibrium of economic relationships of the above concepts.

Course outcomes

Knowledge and understanding:

Students will get the knowledge of Economic concepts and laws, theories and different relationships of economic variables.

2. Intellectual outcomes

Students Will able to evaluate general law and Economic relationship of economic variables

3. Practical skill

Students will be able to test the validity of economic laws to different production and consumption

4. Transferable skills

Students will be able to understand the economic environment of economic variables. Understand the effect of different policies made by government Students can test the reliability of different theories related to consumption, production and economy.

COURSE NAME : Functional Management(BCG-206)CLASS - Bachelor of CommerceSEMESTER – II nd

Objective of the course:

Students would be made to understand the history of management and the different approaches to the study of Management. They would also be exposed to the functions of planning, staffing, organizing, leading and controlling a functional system. Students should also be made to understand the internal & external environment in which an organization functions. The subject is geared toward providing a basic knowledge of the planning function, which involves setting goals and then deciding on how best to achieve them.

Course Outcomes

A Knowledge and Understanding:

Students will

- Explain the purpose of business organisations, and their relationship with the environment
- Identify and evaluate concepts and principles of business organisation and management, including the historical development of management theories and their application to contemporary business.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Understand The Nature Of Management;
- Identify And Describe The Functions Of Management;
- Understand The Social Responsibilities Of Business; And
- Appreciate The Interests Of Various Stakeholders In The Business.

C. Practical Skills

Students will learn to

• Understand fundamental skills and techniques in functional management areas of information management, operations and human resource especially in handling conflicts and change.

• Discuss the importance of quality management issues on business and management **D. Transferable Skills**

- an understanding of organisational behaviour and structure
- analytical and critical thinking
- a creative approach to problem solving
- decision-making
- persuasive written and oral communication
- self-reliance, initiative and the ability to manage time, projects and resources

COURSE NAME : English (Compulsory) BCG–301

CLASS - Bachelor of Commerce SEMESTER – IIIrd

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

Course Outcomes:

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) **Intellectual Cognitive /Analytical skills:** Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

COURSE NAME : Punjabi (Compulsory)(BCG-302)CLASS - Bachelor of CommerceSEMESTER – III rd

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ ਸਮੈਸਟਰ: ਤੀਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- 5. ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- 4. ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

COURSE NAME :Corporate Accounting(BCG-303)CLASS - Bachelor of CommerceSEMESTER – III rd

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Corporate Accounting. Moreover, the Corporate Accountinghelps to know about issue procedure and redemption of shares and debentures, final accounts of companies, accounting of banking and insurance companies, amalgamation and internal reconstruction of companies.

Course Outcomes

A. Knowledge and Understanding:

Students will

- know the various types of Shares and debentures.
- understand the various aspects of Corporate Accounting.
- familiarize oneself with the issuesinvolved in Banking and InsuranceCompanies accounts.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- know the various types of Shares and debentures.
- Issue and redemption of Shares and Debentures.
- Preparation of accounts in Banking and InsuranceCompanies.

C. Practical Skil

Students will learn to :

- Accounting procedure of issue and redemption of shares and debentures.
- Accounting procedure of internal reconstruction.
- Accounting procedure of final accounts of companies.
- Accounting procedure of amalgamation and merger.

D. Transferable Skills

- know the various types of Shares and debentures.
- understand the various aspects of Corporate Accounting.
- familiarize oneself with the issuesinvolved in Banking and InsuranceCompanies accounts.

COURSE NAME : Company Law(BCG-304)CLASS - Bachelor of CommerceSEMESTER – III rd

Objective of the course:

The course objective is to equip the students with the necessary understanding of the role of Government in regulating the economic and business activities; The **objectives** of the Centre and its members are to: Undertake and promote research on **company laws** & attract **students** of the highest caliber to the **Law** School's programs and provide opportunities for their involvement in **company law** research projects. To acquire expert knowledge of the practical and procedural aspects of the Companies Act. Improving the functioning of official liquidators through application of e-governance. Protection of investor and promotion of investor's education awareness for growth of corporate sector in the country.

Course Content:

This is a course on Company Laws with an emphasis on all the acts which are enacted by the Government for the benefit and welfare of the workers working in the industrial sector. The major acts studied to Incorporation of Private Companies, Public Companies, Companies Limited by Guarantee and Unlimited Companies and their Conversions/ Re-conversion/Re-registration, Commencement of Business and New Business; Benefit from a conceptual and practical knowledge base in company law and regulation in India, especially under The Companies Act, 2013. A clear understanding of the fundamentals of company law is critical for anyone who is looking to understand corporate and economic laws and regulations in India.

Course Outcomes

A Knowledge and Understanding:

Students will

- know the emerging issues in company law
- understand the types of companies ,illegal association
- familiarize oneself with the cases referred in company laws.

B. Intellectual (Coginitive/ Analytical Skills:

- Develop an understanding of the main rules and principles relevant to the nature of company ,formation and its Incorporation
- Focus on MOA,AOA and issue of prospectus and how company meetings arranged n winding up of company.
- Understand the concept of E-governance, Insider trading, credit Rating agencies.

C. Practical Skills

Students will learn to

- build ability to write and communicate in a way that showcases expertise.
- practical legal skills in company laws

D. Transferable Skills

Students will be able to

1. Demonstrate a comprehensive contextual knowledge of the concepts and emerging issues in company law

2. Demonstrate an understanding of legal processes relevant to company laws;

3. Interpret primary materials relevant to company laws and apply the law to company problems to determine an arguable outcome;

4. Evaluate legal principles and employ legal techniques to analyse competing considerations and resolve practical problems in the area of company laws;

5. Outline basic terms that might be used in legal practice; like Demat of accounts.

6. Structure and present a coherent and persuasive legal argument.

COURSE NAME :Financial management(BCG-305)CLASS - Bachelor of CommerceSEMESTER – III rd

Objective of the course

The basic objective of study of Financial Management is to make the student aware about importance of Finance and its Management. The knowledge of Financial Management is very important in practical fields such as to the investors, bankers, creditors etc. It creates awareness amongst students not only raising the finance but also its proper utilization in the best possible way.

Course Outcomes

A Knowledge and Understanding:

Students will be able to understand

- The various concepts of Financial Management.
- Concepts of Sources of Finance, Working Capital, Capital Structure, Capital Budgeting decisions.

B. Intellectual (Coginitive/ Analytical Skills):

Students will be able to understand the ins and outs relating to raising finance from different sources and its proper utilization.

C. Practical skills :

• The subject will prepare the students to understand various dimensions of finance & its management.

D. Transferable Skills :

Students will get the ability to manage finance in different situations so as to maximize wealth.

COURSE NAME : International Business(BCG-306)CLASS - Bachelor of CommerceSEMESTER – IIIrd

Objective of the course:

The course objective is to introduce students to impact of Globalization and complexities of International Business. The global trading environment and recent trends in foreign trade are highlighted.

Course Outcomes

A Knowledge and Understanding:

Students will

- Be able to international financial system and institutions.
- Understand the various factors influencing International Business Environment.
- Know about the models and theories of International trade.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Recognise the foreign exchange markets and risk management.
- Analyse the Foreign Investments: its types and flows.
- To understand the forms of regional groupings.

C. Practical Skills

Students will learn to

- Appraise Special Economic Zones.
- Determine the relevance of theories of International Trade.
- To study the measures for promoting foreign investments in India.

D. Transferable Skills

- 1. Observe and interpret national and foreign business environment.
- 2. Develop the ability to apply the knowledge in practical situations.

COURSE NAME: Business Environment(BCG-307)CLASS - Bachelor of CommerceSEMESTER – III rd

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Business Environment so that the concept can be used in analysing business proposal. Moreover, the concepts on Annual Budget, LPG, Fiscal policies and Monetary Polices analysis can be used in judging whether to accept or reject the proposal. Business Environment is important mainly because it helps you make decisions towards increasing the effect of various business environments on the business. No doubt importance of Business Environment is immeasurable in the business sector.

Course Outcomes

A Knowledge and Understanding:

Students will

- Understand about different types of Business Environment.
- Techniques of analyzing business.
- Annual budgets in India.

B. Intellectual (Coginitive/ Analytical Skills):

Students will be able to

- Create plans for the business.
- Find out loopholes in Corporate Governance.
- Cope up with various CSR requirements set by govt.

C. Practical Skills

Students will learn to

- Understand the meaning of Business Environment.
- Know about techniques of business analysis.
- Understand the need for Economic Reforms.
- Point out the significance of business analysis.
- Describe the environment analyzing process
- Spell out the factors influencing business decisions
- Describe the kinds of business environments.
- Analyze the combined effects of internal and external environments.
- Understand Fiscal Policy and Monetary Policy.

D. Transferable Skills

Students will be able to

- 1. Explain the goals and functions of Business Environment.
- 2. Prepare and present Annual budget..
- 3. Analyze different environments and describe the economic health of a company.
- 4. Explain the benefits of environment forecasting .
- 5.Explain internal and external environment.
- 6. Decide the effect of micro and macro factors effecting the business.
- 7. Recommend techniques for managing business environment effectively.

COURSE NAME : English (Compulsory)BCG-401CLASS - Bachelor of CommerceSEMESTER - IVth

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

Course Outcomes:

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) **Intellectual Cognitive /Analytical skills:** Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It
will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.

- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

COURSE NAME : Punjabi (Compulsory)(BCG-402)CLASS - Bachelor of CommerceSEMESTER - IV th

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ. ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਂਦਾ ਹੋਵੇਗੀ।
- 9. ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੂਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- 10. ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- 11. ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- 12.ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਅਤੇ ਸਵੇਜੀਵਣੀ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਂਦਾ ਹੋਵੇਗੀ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਪੰਜਾਬੀ ਸਵੈਜੀਵਨੀ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

COURSE NAME : Goods And Service Tax(BCG-403)CLASS - Bachelor of CommerceSEMESTER - IV th

Objective of the course:

Goods & Services Tax (GST) is a comprehensive destination based indirect tax levied on goods as well as services at the national level. Its main objective is to consolidate multiple indirect taxes levies into a single tax thus subsuming number of indirect tax levies, overcoming the limitations of previous indirect tax structure, and creating efficiencies in tax administration. The essence of GST is in removing the cascading effects i.e., tax on tax of both Central and State taxes by allowing setting-off of taxes throughout the value chain, right from the original producer and service provider's level up to the consumer level. The government is trying very hard to implement GST successfully for the benefit of more than a billion people.

The course objective is to equip the students with the necessary theoretical and practical know how in goods and service tax .the indented objective of GST is to replace a lot of other indirect taxes like VAT, Service tax, luxury tax etc. Ensuring that the cascading effect of tax on tax will be eliminated fundamental clarity on the concepts, ideas and rules involved in indirect taxes.

Course Outcomes

A. Knowledge and Understanding:

Students will

- Know the various taxes included in GST
- Understand the concept of GST
- Registration procedure
- Familiar with how to calculate and pay taxes.
- Understand how to avail input tax credit;
- Reverse charged

B. Intellectual (Cognitive/ Analytical Skills:

Students will be able to

- Know the taxes subsumed in GST
- How to claim Input Tax credit
- How to registered under GST
- Identify the different sections, sub-sections of GST
- Describe the various concepts, idea, and rules of GST
- Know the significance of GST

C. Practical Skills

Students will learn to

- Understand the meaning of Goods and services tax
- Know about GST council
- Understand the Constitutional aspects
- Understand Registration procedure
- Claiming input tax credit
- Point out the significance of Input tax credit
- Describe the Exemptions from GST
- Describe the various returns to be filled by assesses
- Computation of GST liability and payment, TDS, TCS and Reverse charge

D. Transferable Skills

Students will be able to

- 1. Explain the goals and functions of Goods and service tax.
- 2. How to register under GST.
- 3. Analyze the exemptions from GST
- 4. How to claim Input Tax credit
- 5. Explain the benefits of GST
- 6. Calculate and explain CPIN, TDS, TCS and Reverse charge.
- 7. How to various returns to be filled under GST.

(BCG-404) SEMESTER – IVth

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Industrial Laws so that the students become aware that these laws are enacted by the Government to provide social and economic justice to workers in the industry. Generally these laws provide guidelines to the employers/industrialists in dealing with the matters of wages, wage incentives, facilities of workers and working conditions of labour. These objectives are sought to be achieved through enactment and implementation of various acts which regulate the terms and conditions of service and employment of labour.

Course Outcomes

A. Knowledge and Understanding:

Students will

- know the various acts under Industrial Laws
- understand the benefits of these acts

B. Intellectual (Coginitive/ Analytical) Skills:

Students will be able to

- Know the applicability of all acts
- Identify the uses of these acts for the workers
- Know the significance of different acts

C. Practical Skills

Students will learn to

- Understand the different provisions of factories act 1948
- Learn about the working hours of adults and young persons in the factories
- Understand the rights and duties of authorities under the Industrial Disputes Act
- Learn the need for establishing Trade Unions
- Study the provisions relating to contribution and benefits of employees under Employees State Insurance Act
- Learn about the provisions regarding compensation of workmen

D. Transferable Skills

Students will be able to

- Explain the need and importance of Industrial Laws
- Explain the provisions of factories act relating to health, safety and welfare of workers
- Explain the various authorities under Industrial Disputes Act 1948
- Clarify the rights and liabilities of Registered Trade Unions
- Explain the functions of Employees State Insurance Corporation

(BCG -405) COURSE NAME : Principles and Practices of Banking and insurance

CLASS - Bachelor of Commerce SEMESTER – IVth

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Banking and Insurance so that the concept can be used in analysing business proposal. Moreover, the concepts on Mutual Funds, risk analysis and sensitivity analysis can be used in judging whether to accept or reject the investment . Insurance is important mainly because it helps you to insure the business from unpredictable losses.

No doubt importance of Banking and Insurance t is immeasurable in the business sector.

Course Outcomes

A Knowledge and Understanding:

Students will

- know the various functions of banks
- understand the management of deposits
- familiarize oneself with the concepts of mutual funds
- To know about E-banking

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

• Know the functions of banks

- Identify the different aspects of deposits
- Describe the central bank and it's functions
- Know the significance Insurance

C. Practical Skills

Students will learn to

- Understand the meaning of Banking
- Know about functions of Banking
- Understand the need for insurance
- Point out the significanceE banking
- Describe the merchant banking
- Spell out the factors influencing mutual funds
- Describe the asset and liability management
- Analyse the relevende of insurance
- Understand Financial Inclucion

D. Transferable Skills

Students will be able to

- 1. Explain the goals and functions Banking sector
- 2. To know about electronic transferoffunds
- 3. Analyze need of insurance in economic health of a company.
- 4. Explain the benefits of financial Inclucion.

COURSE NAME : Cost Accounting CLASS - Bachelor of Commerce SEMI

(BCG-406) SEMESTER – IV th

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Cost Accounting the concept can be used in analyzing business total cost. Moreover, the concepts on Budgetary control techniques, Marginal costing and Standard costing can be used to control and compare cost of different products. Cost Accounting is important mainly because it helps you make decisions towards the maximization of per unit cost of the firm. No doubt importance of Cost accounting is immeasurable in the business sector.

Course Outcomes

A Knowledge and Understanding:

Students will

- know the various types of Costs.
- understand the various methods of cost.
- familiarize oneself with the techniques used in Cost accounting

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Know the functions of Cost.
- Identify the different types of Cost.
- Describe the relationship between Cost with other allied disciplines
- Know the significance of different types of Costs.

C. Practical Skil

Students will learn to :

- Understand the meaning of Total cost and Per unit cost.
- Know about Cost Sheet.
- Understand the need for Absorption costing.
- Point out the significance of Unit costing.
- Describe the budgetary control process.
- Spell out the factors influencing different costs.
- Describe the kinds of Cost control.
- Analyze the combined effects of Job and Batch control.
- Understand Marginal Costing and Break Even Analysis.

D. Transferable Skills

Students will be able to:

- 1. Explain the functions of Cost Accounting.
- 2. Prepare and present Cost Sheet

3. Analyze Cost statements and describe the economic health of a company.

- 4. Explain the benefits of Cost control and prepare Cost statements.
- 5. Calculate and explain different Overheads.
- 6. Decide the form and amount of short term financing that best suits a given corporate need,

based on historical and projected analysis.

7. Recommend techniques of Cost control.

COURSE NAME : English (Compulsory)BCG–501CLASS - Bachelor of CommerceSEMESTER - Vth

Objective of the course:

- As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies
- The course also takes into objective the establishment of a close proximity of students with English literature and helping them appreciate various facets of literary genres with special deliberations on poetry

Course Outcomes:

- A. **Knowledge and Understanding:** Comprehending and appreciating literature in the pure textual form subsequently ensuring an acquaintance with English drama and its various devices
- B. **Intellectual Cognitive /Analytical skills:** Learning numerous literary techniques as put forth through the curriculum and also developing general awareness on contemporary issues in target language
- C. **Practical skills :** Enhancing writing skills through skill-based questions on the same and gaining knowledge of technical writings such as technical, newspaper and finding reports along with other official documentations
- **D. Transferable skills:** Developing professional writing skills through resume building tasks and other professional write-ups

COURSE NAME : Punjabi (Compulsory)(BCG-502)CLASS - Bachelor of CommerceSEMESTER - V th

ਕੋਰਸ ਦਾ ਨਾਂ – ਲਾਜਮੀ ਪੰਜਾਬੀ

ਕਲਾਸ – ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ. ਸਮੈਸਟਰ –ਪੰਜਵਾਂ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : -

ਵਿਦਿਅਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾੜਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਅਰਥੀਆਂ ਨੂੰ ਵਿਦਿਆ ਦਾ ਮਕਸਦ ਸਮਝਾਉਣਾ। ਚੰਗੇ ਇਨਸਾਨ ਬਣਨ ਲਈ ਪ੍ਰੇਰਨਾ ਅਤੇ ਸਮਾਜਿਕ ਜ਼ਿਮੇੰਵਾਰੀਆਂ ਦੇ ਅਨੁਕੂਲ ਬਣਾਉਣਾ ਤੇ ਉੱਤਮ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਪੜ੍ਹਨ ਲਈ ਪ੍ਰੇਰਨਾ ਦੇਣਾ ਤਾਂ ਕਿ ਉਹ ਚੰਗੀ ਜੀਵਨ ਜਾਂਚ ਸਿੱਖ ਸਕਣ।

- (ੳ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :-
 - ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖ ਵੱਖ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
 - ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।

(ਅ) ਬੌਧਿਕ ਹੁਨਰ :-

- ਸਾਹਿਤ ਸਮਾਜ ਦਾ ਦਰਪਣ ਹੈ। ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜਰੀਆਂ ਬਣੇਗਾ।
- ਸਾਹਿਤ ਜਿੱਥੇ ਉਨ੍ਹਾਂ ਨੂੰ ਰੋਜਗਾਰ ਦੇ ਵਸੀਲੇ ਪ੍ਰਾਪਤ ਕਰਵਾਏਗਾ ਉੱਥੇ ਉਹ ਚੰਗੇ ਪ੍ਰਾਈ ਵਜੋ ਹੋਂਦ ਗ੍ਰਹਿਣ ਕਰਨਗੇ।
- ਸਾਹਿਤ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦੀ ਆਪਣੀ ਸੋਚ ਬਦਲੇਗੀ ਜਿਸ ਨਾਲ ਉਹ ਸਮਾਜ ਨੂੰ ਚੰਗੀ ਸੋਚ ਦੇਣਗੇ।

(ੲ) <u>ਅਮਲੀ ਹ</u>ੁਨਰ :-

- ਹਫ਼ਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
- ਸਮੇਂ ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਿਤ ਟੈਸਟ ਲੈਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨ ਲਈ ਡੀਬੇਟ ਅਤੇ ਕੋਈ ਇੱਕ ਵਿਸ਼ਾ ਦੇ ਕੇ ਉਸ ਉਪਰ ਵਿਚਾਰ −ਵਿਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਪਾਠਕ੍ਮ ਨਾਲ ਸੰਬੰਧਿਤ ਵਿਸ਼ਿਆਂ ਉਪਰ ਲਿਖਤੀ ਰੂਪ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰਾਉਣੇ ਅਤੇ ਵਿਚਾਰ ਚਰਚਾ ਕਰਾਉਣੀ।

 ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਨ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।

(ਸ)<u>ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪਧੱਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-</u>

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

COURSE NAME : Management Accounting(BCG-503)CLASS - Bachelor of CommerceSEMESTER - Vth

Objectives of the Course: This course is designed to provide students information regarding the concept of management accounting andits importance in present scenario. Management accounting is a management techniques in which various tools are used to access the position of the concern and to take decisions for future. Due to Liberalization, Privatization and Globalization (LPG), investors can invest both in national and international markets also. So main objective of this course is to provide students basic knowledge of various issues involved in management accounting.

Course Content:

This is an introductory course inmanagement accounting. It comprises of various topics such asNature and scope of management accounting, analysis and interpretation of financial statements, fund flow statement, cash flow statement, managerial decisions ... Besides, this course also covers concept significance and responsibility centres and activity based accounting. Transfer pricing is also part of this curriculum.

Learning Outcomes:

• Knowledge and understanding

Students will

- Know the importance and functions of management accounting.
- Understand the various techniques of management accounting.
- Learn fund flow statement and it's practice.
- Get information regarding roleof Cash flow statement.
- Realize the benefits of Ratio Analysis.
- Learn aboutmanagerial decisions.
- Acquire knowledge about Responsibility accounting.
- Intellectual (Cognitive/Analytical Skills): Students will be able to
- > To get in-depth knowledge of different ratios and it's interpretation.
- > To find out rolefund flow statement in decisions.
- > Understand role and functions of cash flow statement.
- > Differentiate between cash flow statement and fund flow statement.
- > Conceptual knowledge of activity based accounting.

Practical Skills

Students will be able to

- Calculate different ratios from financial statements.
- Preparation of cash flow and fund flow statement..
- Calculate CVP analysis.

D. Transferable Skills

Students will be able to

- Understand the procedure of calculating and interpretation of financial ratios.
- Access the informationregarding responsibility accounting..
- Get practical knowledge regarding transfer pricing.

COURSE NAME :Direct Tax Law(BCG-504)CLASS - Bachelor of CommerceSEMESTER - V th

Objectives of the Course:The course objective is to equip the student with the necessary understanding of the role of income tax department in regulating the income tax returns. The objective of the study is to obtain the opinion and perception of the taxpayers about the influence of e-filing in their tax compliance patterns. Identifying personal characteristics of taxpayers. Establishing and examine the taxpayers' level of knowledge of about e-filing. Determining constraints that lead to taxpayers' non-compliance.

Course content:

Income tax courses have been designed for developing employability skills required for the students who are looking for good job in their field like:- Accounting, Finance, Taxation, E-accounting, Direct Taxes like Income Tax and e-filing etc. Learn how to e-file income tax return online in India. As per section 139(1) of the Income Tax Act, 1961 in the country, individuals whose total income during the previous year exceeds the maximum amount not chargeable to tax, should file their income tax returns (ITR). In this course we help student to learn how to file income tax.

Course Outcomes

A Knowledge and Understanding:

Students will

- know the Steps involved in computation of tax
- know the meaning and scope of direct tax
- Receive knowledge relating to various heads for computing tax
- Know how to compute tax liability after deductions

B. Intellectual (Coginitive/ Analytical Skills:

- Understand the Nature Of income tax
- Understand the process of computing tax liability
- Develop and understanding of the main rules and regulations of income tax .
- Compute residential status of individual

C. Practical Skills

Students will learn to

- How to compute total income of individual.
- build ability to apply and communicate in a way that showcases expertise.
- have strong tax awareness plus the essential skills to file income tax return.
- Awareness relating to exemptions and deductions

D. Transferable Skills

Students will be able to

- understanding of filing of returns
- analytical and critical thinking
- a creative approach to problem solving related to tax
- decision-making
- persuasive written and oral communication

COURSE NAME :Auditing(BCG-505)CLASS - Bachelor of CommerceSEMESTER - V th

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in how auditing helps us to prepare the Balance sheet and Profit & Loss A/c as per the statutory requirements which represents a true & fair view of the state of affairs of the company on a particular date.

Course Outcomes

A Knowledge and Understanding:

Students will

- Understand the various types of Auditing.
- Learn the benefits of Audited records.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Know the applicability of Auditing
- Identify the uses of Audit reports
- Know the techniques used for Auditing.

C. Practical Skills

Students will learn to

- Understand the ways to do audit
- Learn about optimality
- Learn the need for statutory reports
- Understand how to audit the financial statements.

D. Transferable Skills

Students will be able to

- 1. Explain the need and importance of auditing
- 2. Explain why audit is compulsory
- 3. Explain about how to prepare reports
- 4. Clarify how audit is unbiased

COURSE NAME : Contemporary Accounting(BCG-511)CLASS - Bachelor of CommerceSEMESTER - V th

Objectives of the Course

This Course aims at acquainting students with emergence of contemporary issues in accounting. Accounting is an ancient art as old as money itself; however the role of accounting has been changing with the economic and social developments. Over a period of time new dimensions have been added to the discipline of accounting. Accounting is now regarded as a service activity, a descriptive, analytical discipline and an information system. Contemporary issues in accounting being a new subject, the available literature on it is expectedly so far scanty and that too scattered over many articles, publications and volumes, therefore it also aims at acquainting students with the various aspects of contemporary accounting.

Course Outcomes

A Knowledge and Understanding:

Students will

- understand various issues in contemporary accounting;
- understand the influence of other disciplines on accounting;
- identify and evaluate concepts and principles of accounting standards, including the historical development of accounting theories and their application to contemporary business.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- understand the Nature of Accounting Theory;
- identify and Describe the Human Resource Accounting;
- identify and Describe the Price Level Accounting; and
- understand the Social Responsibilities Of Business.

C. Practical Skills

Students will learn to

- understand fundamental skills and techniques to be used in human resource cost and valuation accounting;
- discuss the importance, methods and utility of Inflation Accounting;
- develop the ability to present published accounts using recent trends; and
- know the art of preparation and disclosure of Value Added Statemens and Economic Value Added.

D. Transferable Skills

Students will be able to get

- An understanding of contemporary issues in accounting.
- analytical and critical thinking
- a creative approach to problem solving
- decision-making
- persuasive written and oral communication
- self-reliance, initiative and the ability to manage time, projects and resources

COURSE NAME : Financial market Operation(BCG-512)CLASS - Bachelor of CommerceSEMESTER - Vth

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in financial market so that the concept can be used in analysing investment proposal. Moreover, the concepts of financial market, money market ,capital market analysis helps in judging the fruitful investment proposal which will give high returns to business's investment and whether to accept or reject the proposal. Financial Market Operations is important mainly because it helps you make decisions towards increasing the effect of financial market on the business returns. No doubt importance of Financial Environment is immeasurable in the business sector.

Course Outcomes

A Knowledge and Understanding:

Students will

*Understand about different types of Financial Market.

*Techniques of analyzing business.

*Financial Market in India.

B. Intellectual (Coginitive/ Analytical Skills):

Students will be able to

*Create plans for investment.

*Find out loopholes in investment decisions.

*Cope up with various return requirements aimed by business.

C. Practical Skills

Students will learn to

- Understand the meaning of Financial Environment.
- Know about techniques of business analysis.
- Understand the need for Economic Returns.
- Point out the significance of business investment.

- Describe the Financial Market analyzing process
- Spell out the factors influencing investment decisions
- Describe the kinds of investment proposals.
- Analyze the combined effects of money and capital market.
- Understand Monetary Policy.

D. Transferable Skills

Students will be able to

- 1. Explain the goals and functions of Financial Environment.
- 2. Prepare and present portfolio for investment..
- 3. Analyze different environments and describe the economic health of a country.
- 4. Explain the benefits of environment forecasting .
- 5.Explain capital and money market.
- 6. Decide the effect of micro and macro factors effecting the business.
- 7. Recommend techniques for managing business investments effectively.

COURSE NAME : Banking services Management (BCG-521)CLASS - Bachelor of CommerceSEMESTER - V th

Objective of the course:

The main objective of this paper is to make the students acquainted with various aspects of banking services. It familiarizes them with tangible and intangible banking services, deficiency in services, ways to improve services, different types of loans and advances, e-banking services and banking sector reforms. The motive is to enrich the students with knowledge of different banking services.

Course Outcomes

A Knowledge and Understanding:

Students will

- get knowledge about different tangible and intangible banking services
- know about various types of loans and advances
- understand e-banking services

B. Intellectual (Coginitive/ Analytical) Skills:

Students will be able to

- understand Banking Regulation Act,1949
- familiarize with Negotiable Instrument Act, 1881
- get insight into new trends in banking services
- judge challenges in banking services

C. Practical Skills

Students will learn

- to become efficient bank managers
- to handle different financial matters efficiently like arranging loans, doing internet banking etc.

D. Transferable Skills

Students will get knowledge about

- hire purchase advances
- advances to small borrowers
- relationship between banker and customer
- SERVQUAL- a measure of service quality
- Phone banking and mobile banking
- ATMs, debit cards and credit cards

COURSE NAME: Insurance services Management (BCG-522)CLASS - Bachelor of CommerceSEMESTER - V th

Objective of the course:

The objective of insurance is to financially guard against unpredictable life occurrences. In short, when one buy an insurance policy, one can make monthly payments, called premiums, to purchase protection from monetary repercussions related to things like accidents, illness or even death. The amount of premiums is based on your coverage needs, personal history, and in some cases ,one's age, health and even one's lives. One can purchase insurance for just about anything, though the most common types of insurance like life insurance, car insurance, homeowner's insurance, Disability insurance, liability insurance.

Course Outcomes

A Knowledge and Understanding:

Students will

- know the various types of insurance
- understand the role and importance of insurance
- familiarize oneself with insurance regulations.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able

•To promote insurance education within the country with a view to increasing insurance awareness and enhance the public image of the industry.

•To promote the development of insurance services within the country.

•To create and maintain a closer co-operation between members for the benefit of the insurance industry and the nation as a whole.

•To provide a forum under which mutual problems of the industry can be discussed and firm resolutions taken.

C. Practical Skills

Students will learn to

- Understand the meaning of Insurance Organization and Management
- Know about Role of Insurance Intermediaries in Emerging Markets
- Understand Underwriting and Claims
- Analysethe Pricing of Insurance Products

D. Transferable Skills

Students will be able to

1. Explain theOrganisation forms in Life and Health insurance.

Explain theAgency Regulation ,Prerequisites, Training procedures for becoming an agent,Remuneration and other benefits,Agency commission structures, Functions of an agent.
Computation of premium and Bonuses

4 Impact of Legislation and Competition on Pricing ,Taxation and Policies , Market related policies.

5. Factors having impact on the demand for insurance.

COURSE NAME : English (Compulsory)BCG-601CLASS - Bachelor of CommerceSEMESTER - VIth

Objective of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

Course Outcomes:

- 1. Comprehending and appreciating literature in the pure textual form
- 2. Ensuring an acquaintance with English drama and its various devices
- 3. Learning numerous literary techniques as put forth through the curriculum
- 4. Enhancing writing skills through skill-based questions on the same
- 5. Developing general awareness on current issues in target language
- 6. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

COURSE NAME : Punjabi (Compulsory)(BCG-602)CLASS - Bachelor of CommerceSEMESTER - VIth

ਕੋਰਸ ਦਾ ਨਾਮ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ.

ਸਮੈਸਟਰ: ਛੇਵਾਂ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u>: ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਗਰੂਕ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਕਰਕੇ ਸਾਹਿਤ ਰਚਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਉਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰਥ ਹੋਣਗੇ।
- ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਹੋਏਗੀ।
- ਵਿਆਕਰਨਿਕ ਇਕਾਈਆਂ ਅਤੇ ਵਿਆਕਰਨਕ ਵਰਗਾਂ ਨਾਲ ਜੁੜੇ ਹੋਏ ਮੁੱਢਲੇ ਸੰਕਲਪਾਂ ਬਾਰੇ ਜਾਣਨਗੇ।
- ਸ਼ਬਦ ਬਣਤਰ ਤੇ ਸ਼ਬਦ ਰਚਨਾ ਦੇ ਨਾਲ-ਨਾਲ ਮਾਤ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਤੇ ਬੋਲਣ ਵਿੱਚ ਰੁਚੀ ਪੈਦਾ ਹੋਏਗੀ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਤਕਨਾਲੋਜੀ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਇੰਟਰਨੈੱਟ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀ ਦੀ ਬਹੁਪੱਖੀ ਸਖਸ਼ੀਅਤ ਨੂੰ ਉਘੇੜਣ ਤੇ ਨਿਖਾਰਨ ਵਿਚ ਸਹਿਯੋਗ ਦੇਵੇਗਾ।

*ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

COURSE NAME : Operations Research(BCG-603)CLASS - Bachelor of CommerceSEMESTER - VI th

Objective of the course:

The course objective is to equip the students with the necessary theoretical and practical know how in Operations Research so that the students become aware that the techniques and methods of OR helps in providing quantitative aid to the management in decision making process. Operations research is the application of methods of modern scienceon complex problems arising in the direction and management of large systems of men, machines, materials and money in the industry, business, government and defence. The students will learn that OR methods in the industry can be applied in the field of production, inventory control, sales and marketing, purchasing, transportation and competitive strategies etc.

Course Outcomes

A Knowledge and Understanding:

Students will

- Understand the various models in OR
- Learn the benefits of these models in decision making processes

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Know the applicability of OR
- Identify the uses of OR
- Know the techniques used in OR

C. Practical Skills

Students will learn to

- Understand the various problems
- Learn about optimality
- Learn the need for applying various techniques of OR
- Understand how to maximize the profits and minimize the costs

D. Transferable Skills

Students will be able to

- 1. Explain the need and importance of LPP
- 2. Explain why particular job is assigned to particular person
- 3. Explain about how to cut down the costs
- 4. Clarify how two competitors could be satisfied

COURSE NAME : Corporate Governance(BCG-604)CLASS - Bachelor of CommerceSEMESTER - VI th

Objective of the course:

The basic objective of this paper is to make the students aware of the mandatory requirements regarding corporate governance. Moreover, this subject helps to understand that Good governance is necessary for sustainable development. Oceans are suffering serious damages, prices of food and oil are increasing and there's a lack of water. ... "Only by fostering accountability, transparency and anti-corruption, we can create an enabling environment to achieve the vision of sustainable development". No doubt importance of corporate governance is immeasurable in the business sector.

Learning Outcomes :

A. Knowledge and Understanding:

Students will

- Know the various clauses of clause 49;
- Understand the various models, principles and theories of Corporate Governance
- Familiarize oneself with the present scenario of the Corporate Governance in India 876.
- Understand key legal and regulatory obligations imposed on corporations;

B. Intellectual (Coginitive/ Analytical Skills):

Students will be able to

- Know the details of Clause 49;
- To know the detailed knowledge of principles, models and theories of Corporate Governance;
- Describe this relationship between companies and the stakeholders;
- Understand key legal and regulatory obligations imposed on corporations;

C. Practical Skills

Students will learn

- Meaning of Corporate Governance;
- Major reasons of the failures of corporate governance in India;
- Major scandals of Indian Corporate World;
- How to follow the mandate of SEBI regarding the Corporate Governance;
- Interpret the accountability hierarchy from a corporate governance perspective;
- Review issues involved in addressing litigation risks in corporate governance and regulatory contexts;
- Identify different stakeholder and understand why they may hold differing perspective on ethical issues.
- Use of ethical theories and frameworks to analyze ethical dilemmas in business and resolve practical problems.

D. Transferable Skills :

- Interpret the accountability hierarchy from a corporate governance perspective;
- Understanding key legal and regulatory obligations imposed on corporations;
- Describe the use of ethical theories and frameworks to analyze ethical dilemmas in business and resolve practical problems.

COURSE NAME : workshop(BCG-605)CLASS - Bachelor of CommerceSEMESTER - VI th

Objective of the course:

The basic objective of this workshop as a paper is to provide students practical exposure on how to file Income tax returns for themselves, family members and for their peers.

As B.Com students are already acquainted with theoretical knowledge of income tax provisions, with the touch of practical demonstration we tried to make them able to apply the provisions with ease.

This course helps students in understanding different questions relating to income tax. Such as :

- How to apply for PAN?
- Why to file income tax return?

- Which form to choose?
- How to make payment of tax?
- How to file the return?
- What should be done after filing return of income?

Course Outcomes:

A. Knowledge and Understanding:

Students will

- Equip ,with knowledge of Basic Tax Concepts;
- How to apply for PAN
- Why to file income tax return?
- Which form to choose?
- How to make payment of tax?
- How to file the return?
- What should be done after filing return of income?

B. Intellectual (Coginitive/ Analytical Skills):

Students will be able to

- Applying PAN form
- Why to file income tax return?
- Various IT forms;
- Filing Income Tax return for employees, Individuals, small businesses and firms;
- How to linked AADHAR number with PAN.
- Payroll process.

C. Practical Skills

Students will

- Apply the knowledge in their practical lives;
- Applying PAN;
- Filing Income Tax returns;
- Why to file income tax return?
- Different forms available to file return for different assesses;
- How to make payment of tax?
- E-filing of Income Tax Form, Methods and Types
- What should be done after filing return of income?

D. Transferable Skills :

- How to apply for PAN
- Why to file income tax return?
- Which form to choose for different 60ssesses?
- Linking AADHAR with PAN;

- How to make payment of tax?
- How to file the return?
- What should be done after filing return of income?

COURSE NAME :Portfolio Management(BCG-611)CLASS - Bachelor of CommerceSEMESTER - VI th

Objective of the course:

To provide an introduction to portfolio management including portfolio theory, portfolio selection, portfolio revision, investment management, economic and industry analysis. To develop knowledge, capability and skills necessary for making sound financial market decisions.

Course Outcomes

A Knowledge and Understanding:

Students will

- Know the portfolio return and risk and its calculation.
- Know the portfolio selection concept and choosing optimal portfolio.
- Understand need and techniques of portfolio revision.
- Know the difference between various investment management aspects.
- Learn macro economic analysis, industry life cycle analysis.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Demonstrate the understanding of portfolio theory and applications pertaining to Markowitz Model, Sharp Model, Capital Asset Pricing Model, APT.
- Develop a frame of reference through which to identify, evaluate, and solve problems relating to portfolio management with or without complete information.

C. Practical Skills

Students will learn to

- Have strong financial market awareness and essential skills to function as portfolio manager.
- Build ability to communicate in a way that showcases expertise.

D. Transferable Skills

Students will be able to

1. Develop a multi disciplinary knowledge base of finance market, portfolio management and economic and industry analysis to aid with problem solving and decision making skills to support investment industry.

COURSE NAME: Financial Services(BCG-612)CLASS - Bachelor of CommerceSEMESTER - VI th

Objective of the course:

The course objective is to equip the students with the necessary understanding of the role of Government in regulating the financial activities. The course will help the students a deeper understanding of financial system and financial services in particular and their functioning, role in the economic development of a country.

<u>Course Outcomes</u> <u>A Knowledge and Understanding:</u>

Students will

- know the various financial services
- understand the various financial services
- familiarize with the cases referred in financial services.

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Develop an understanding of the main rules and principles relevant to the law of financial services.
- Focus on financial services affects them ,and factors that may render a financial services
- Interpret the terms and financial services of different institutions.

C. Practical Skills

Students will learn to

- build ability to write and communicate in a way that showcases expertise.
- practical legal skills in financial services

D. Transferable Skills

Students will be able to

1. Demonstrate a comprehensive contextual knowledge of the concepts and principles of financial services;

2. Demonstrate an understanding of legal processes relevant to financial services;

3. Interpret primary materials relevant to financial services and apply the law to financial services problems to determine an arguable outcome;

4. Evaluate legal principles and employ legal techniques to analyse competing considerations and resolve practical problems in the area of financial services;

5. Outline basic financial services terms that might be used in legal practice;

6. Structure and present a coherent and persuasive legal argument.

COURSE NAME: Foreign Exchange Management(BCG-621)CLASS - Bachelor of CommerceSEMESTER - VIth

Objective of the course:

This course is designed to make the students familiar with various aspects of foreign exchange management viz. theories of exchange rate behaviour, forecasting techniques of exchange rate, financial future markets, swaps market, financial fragility etc. This course can help a lot to students who wish to do foreign trade or want to pursue masters in international business.

Course Outcomes

A Knowledge and Understanding:

Students will gain knowledge about

- the basic concept of foreign exchange market
- participants of forex market
- types of forex transactions

B. Intellectual (Coginitive/ Analytical) Skills:

Students will become able to analyse the causes of financial fragility and systematic risk in foreign exchange market.

C. Practical Skills

Students will learn

- to quote exchange rates
- to assess foreign exchange exposure
- to frame strategies for managing foreign exchange risk

D. Transferable Skills

This course will enable the students to deal in forex market. They will learn the process of hedging, arbitrage and speculation.

COURSE NAME : Risk Management And Insurance(BCG-622)CLASS - Bachelor of CommerceSEMESTER - VI th

Objective of the course:

The course provides the theoretical as well as practical knowledge to the students that risk management is the management of risks in an organization, through detection, analysis, and deployment of adequate countermeasures, depending on the impact that the risk will have, so as to bring the risk down to a non-critical level. The main objective of risk management is to detect, analyze and control the risks. Detection of risks involves identifying the threats and vulnerabilities which can affect the organization's assets.

Course Outcomes

A Knowledge and Understanding:

Students will

- 1. Identify the risk
- 2. Determine how much of this risk one can bear, and

3. Insure the remainder of the risk

B. Intellectual (Coginitive/ Analytical Skills:

Students will be able to

- Identify risks/hazards
- Assess risks/hazards
- Make decisions on how to control or manage risk
- Supervise the implementation of the plan and watchfor any new or changing risks

C. Practical Skills

Students will be able to

- Understandthe Risk and risk management process
- Describe the personal risk management applications
- Learn risk management environment
- Analyseretirement policies and annuities

D. Transferable Skills

Students will be able to

- 1. Explain the concept and types of risk .
- 2 Identify and evaluate risk.
- 3.Selectand implementrisk management techniques.
- 4. Explain the benefits to employees.
- 5.Explain privatization of insurance business in india
- 6. Price the insurance products and claim valuation

Punjabi for UG Classes

Basic Punjabi

ਕੋਰਸ ਦਾ ਨਾਂਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸਬੀ ਏ/ਬੀ ਐੈਸੱ ਸੀ/ਬੀ ਕੈਮ ਬੀ ਸੀ ਏ/ਬੀ ਅੈਸ ਈ ਆਈ ਟੀ/

ਬੀ ਵੱਕ/ਬੀ ਅੈਮ ਅੈਮ/ਬੀ ਜੇ ਅੈਮ ਸੀ ਸਮੈਸਟਰਪਹਿਲਾ

ਕੋਰਸ ਦਾ ਉਦੇਸ਼

* ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਨੀ ਅਤੇ ਲਿਖਣੀ ਸਿਖਾਉਣੀ

* ਵਿਆਕਰਣ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਬਾਰੇ ਦੱਸਣਾ

* ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ

* ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕਰਨਾ

* ਸੰਵਾਦ ਰਚਾਉਣ ਦੇ ਯੋਗ ਬਣਾਉਣਾ

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਅਾਂ ਪ੍ਰਾਪਤੀਅਾਂ ਦੀਅਾਂ ਸੰਭਾਵਨਾਵਾਂ

(ੳ) ਬੌਧਿਕ ਹੁਨਰ

* ਸ਼ੁੱਧ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਲਿਖਣ ਅਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋਣਾ

* ਵਿਆਕਰਨ ਬਾਰੇ ਗਹਿਰਾਈ ਨਾਲ ਜਾਣਕਾਰੀ ਹੋਣਾ

* ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ ਦਾ ਅੰਤਰ ਪਤਾ ਹੋਣਾ

* ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀਆਂ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਦੀ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ਅ) ਅਮਲੀ ਹੁਨਰ

* ਮਾਤ ਭਾਸ਼ਾ ਪ੍ਰਤੀ ਸਤਿਕਾਰ ਦੀ ਭਾਵਨਾ

* ਵਿਆਕਰਨ ਦੇ ਨਿਯਮਾ ਸਮਝਣ ਦੀ ਯੋਗਤਾ

* ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਪੜ੍ਹਨ ਅਤੇ ਲਿਖਣ ਦੀ ਯੋਗਤਾ

* ਈ-ਸਰੋਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹੋਣਾ

(ੲ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ 'ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

* ਸ਼ੁੱਧ ਸੰਚਾਰ ਕਰਨ ਦੀ ਯੋਗਤਾ

* ਟੀਮ ਵਰਕ ਦੀ ਯੋਗਤਾ

* ਚੰਗੀ ਲੀਡਰਸ਼ਿਪ ਦੀ ਯੋਗਤਾ

* ਸਮਸਿਆਵਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਹੱਲ ਕਰਨ ਦੀ ਯੋਗਤਾ

ਕੋਰਸ ਦਾ ਨਾਮ : ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ ਸਮੇਸਟਰ –ਦੂਜਾ

 ਕੋਰਸ ਦਾ ਉਂਦੇਸ਼ :- ਇਸ ਕੋਰਸ ਦਾ ਉਂਦੇਸ਼ ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਮੁੱਢਲਾ ਗਿਆਨ ਦੇਣਾ ਜਿਸ ਨਾਲ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਰੂਪ ਵਿਚ ਉਂਚਾਰਨ ਤੇ ਵਿਆਕਰਣ ਬਾਰੇ ਮੁੱਢਲੇ ਤੌਰ ਤੇ ਚੰਗੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰ ਸਕੇ। ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ ਬਾਰੇ ਦੱਸਦੇ ਹੋਏ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆ ਦੀ ਪਹਿਚਾਣ ਅਤੇ ਵਰਤੋਂ, ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ

ਇਸ ਨਾਲ ਵਿਦਿਆਰਥਅੀਆਂ ਦੇ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।

ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਤੇ ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ।

3) ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਪੰਜਾਬੀ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਕਾਰੀ ਤੇ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਵਿਚ ਕਾਮਯਾਬ ਹੋਣਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਅੰਦਰ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਸਿਖਣ ਤੇ ਸਮਝਣ ਦਾ ਹੌਸਲਾ ਹੋਰ ਵਧੇਗਾ।

4) ਬੱਚੇ ਆਪਣੀ ਮਾਂ-ਬੋਲੀ ਬਾਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਜਾਣਨਗੇ ਅਤੇ ਉਨ੍ਹਾਂ ਦੀ ਸ਼ਬਦਾਵਲੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ :

 ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸਹੀ ਰੂਪ ਵਿਚ ਸਮਝ ਸਕਣਗੇ ਅਤੇ ਉਸ ਬਾਰੇ ਖੁਦ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਰਾਹੀਂ ਸ਼ਬਦ ਜੋੜ, ਵਾਕ ਨੂੰ ਸਹੀ ਰੂਪ ਵਿਚ ਬਣਾ ਸਕਣਗੇ।

ਤ) ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਤੇ ਸੱਭਿਆਚਾਰ ਨਾਲ ਜੁੜਣਗੇ।

ਅਮਲੀ ਹੁਨਰ (Practical skill)

1) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਸ਼ਬਦ ਜੌੜ, ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ, ਵਾਕ ਬਣਤਰ, ਨਾਵ-ਪੜਨਾਂਵ ਨੂੰ ਚਾਟ ਦੀ

ਸਹਾਇਤਾ ਨਾਲ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

 ਵਿਦਿਆਰਥੀ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਲਈ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨਾਲ ਜੁੜੀਆਂ ਵੈਬਸਾਇਟ ਨਾਲ ਸਾਂਝ ਪਵਾਈ ਜਾਵੇਗੀ

3) ਬਲੈਂਕ ਬੋਰਡ ਜਾਂ ਚਾਰਟ, ਨੋਟ ਬੁੱਕ ਉਪਰ ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਸਬੰਧ, ਯੋਜਕ ਵਾਕ ਬਣਤਰ ਦੀ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਆਦਿ ਦਾ ਵਰਗੀਕਰਨ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।

ਵਿਰਿਆਰਥੀ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ ਸਮੇਂ ਉਪਰ ਸਵਾਲ ਜਵਾਬ ਕੀਤੇ ਜਾਣਗੇ। ਉਹਨਾਂ ਤੋਂ ਲਿਖਤ ਕਾਰਜ ਕਰਵਾਇਆ ਜਾਵੇਗਾ। ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉਪਰ ਬੋਲਣ ਜਾਂ ਚਾਰਟ ਤੇ ਬਲੈਕ ਬੋਰਡ ਦੀ ਸਹਾਇਤਾ ਰਾਹੀਂ ਉਹਨਾਂ ਦੇ ਹੁਨਰ ਨੂੰ ਪਰਖਿਆਂ ਜਾਵੇਗਾ।

ਭਾਸ਼ਾਂ ਦੇ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ

1) ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

ਪੰਜਾਬੀ ਦੇ ਨਵੇਂ ਸ਼ਬਦਾਂ ਤੇ ਵਾਕਾਂ ਨੂੰ ਬਣਾਉਣ ਵਿਚ ਸਮੱਰਥ ਹੋਣਗੇ।

ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਨੂੰ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

4) ਵਿਦਿਆਰਥੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
ਕੋਰਸ ਦਾ ਨਾਂ - ਮੁੱਢਲੀ ਪੰਜਾਬੀ

ਕਲਾਸ – ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ – ਤੀਜਾ

- ਕੋਰਸ ਦੇ ਉਂਦੇਸ਼: ਇਸ ਕੋਰਸ ਦਾ ਉਂਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਬਾਰੇ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ ਹੈ ਤਾਂ ਜੋ ਉਹ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਪੜ੍ਹਣ ਤੇ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋ ਸਕਣ। ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾੜਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਨਿਕ ਨੇਮਾ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣਾ ਤਾਂ ਜੋ ਉਹ ਭਾਸ਼ਾ ਦਾ ਸਹੀ ਸੰਚਾਰ ਕਰ ਸਕਣ।
- (ੳ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਤੇ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਬਣਨਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ ਤੇ ਸਹੀ ਤਰਾਂ ਇਹਨਾਂ ਦੀ ਵਰਤੋਂ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ।
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਪੜ੍ਹਨ ਤੇ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- (ਅ) ਬੋਧਿਕ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਦੇ ਯੋਗ ਹੋ ਸਕਣਗੇ ਤੇ ਉਹਨਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜ਼ਰੀਆ ਬਣੇਗਾ।
 - ਵੱਖ-ਵੱਖ ਪ੍ਰਦੇਸ਼ਾ ਤੋਂ ਆਏ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਦੇ ਨਾਲ-ਨਾਲ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਨੂੰ ਵੀ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- (ੲ) ਅਮਲੀ ਹੁਨਰ:-
 - ਹਫਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
 - ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਤੀ ਟੈਸਟ ਲੈਣੇ।

- ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਂਦਾ ਕਰਨ ਲਈ ਹਫਤੇ ਵਿਚ ਇਕ ਦਿਨ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਵਿਚਾਰ ਵਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬ੍ਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਣ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।
- (ਸ) ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:-
 - ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
 - ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
 - ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਸਹੀ ਤਰ੍ਹਾ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

Punjabi Compulsory

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੇਸਟਰ: ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਂਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਚ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀਐੱਸ.ਸੀ (ਬੀ.ਟੀ.)/ ਬੀ.ਕਾਮ/ ਬੀ.ਸੀ.ਏ/ ਬੀ.ਵਾਕ/ ਬੀ.ਐਮਐਮ

ਸਮੈਸਟਰ –ਦੂਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u> : ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਨ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ । ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ । ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ ਬੌਧਿਕ ਅਤੇ ਸਰਬ-ਪੱਖੀ ਪਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- > ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੂਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਅਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਚ (Practical skill) :

- ਸਾਹਿਤ ਸਿਰਜੁਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।
- ਵੱਖ ਵੱਖ ਨਾਇਕਾਂ ਦੀਆਂ ਜੀਵਨੀਆਂ ਪੜ੍ਹ ਕੇ ਵਿਦਿਆਰਥੀ ਪ੍ਰੇਰਿਤ ਹੋਣਗੇ।

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ ਸਮੈਸਟਰ: ਤੀਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਂਦਾ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਚਲੇ ਲੇਖਾਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਪਰਚਾ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਕੋਰਸ ਦਾ ਨਾਂ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ. ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :

ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕੀਤੀ ਜਾਵੇਗੀ।ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਵਿਕਾਸ ਕੀਤਾ ਜਾਵੇਗਾ।ਅਲੋਚਨਾਤਮਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਪਣੀ ਮਾਂ ਬੋਲੀ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਵਿਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਬਪੱਖੀ ਪ੍ਰਤਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਸਾਹਿਤਕ ਰੁਚੀਆਂ ਪੈਦਾ ਹੋਣਗੀਆਂ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਭਾਸ਼ਾ ਦੀ ਅੰਦਰੁਨੀ ਬਣਤਰ ਸੰਬੰਧੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋਵੇਗਾ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਹੋਵੇਗਾ।
- 10. ਅਲੋਚਨਾਤਮ<mark>ਕ ਰੁਚੀਆਂ</mark> ਪੈਦਾ ਹੋਣਗੀਆਂ।
- 11. ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।
- 12.ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਉਸ ਵਿਚਲੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਾਟ ਕਲਾ ਅਤੇ ਰੰਗ ਮੰਚ ਅਤੇ ਸਵੇਜੀਵਣੀ ਪ੍ਰਤੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਸਾਹਿਤ ਸਿਰਜਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਹੋਵੇਗੀ।
- ਆਪਣੀ ਮਾਂ ਭਾਸ਼ਾ (ਪੰਜਾਬੀ) ਦੇ ਵਿਕਾਸ ਵਿਚ ਅਹਿਮ ਯੋਗਦਾਨ ਪਾਉਣਗੇ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਪੰਜਾਬੀ ਸਵੈਜੀਵਨੀਂ ਦਾ ਗਹਿਨ ਅਧਿਐਨ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਉਸਾਰੂ ਸੋਚ ਅਤੇ ਪਾਰਦਰਸ਼ੀ ਨਜ਼ਰੀਏ ਨਾਲ ਸਮਾਜ ਵਿਚ ਵਿਚਰਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।ਨਾਟ ਕਲਾ ਦੇ ਜ਼ਰੀਏ ਵਿਦਿਆਰਥੀ ਨਿੱਜੀ ਅਤੇ ਸਮਾਜਿਕ ਮਸਲਿਆ ਪ੍ਰਤੀ ਸੁਚੇਤ ਹੋਣਗੇ ਅਤੇ ਸਮਾਜ ਨੂੰ ਵੀ ਜਾਗਰੂਕ ਕਰਨ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਂ – ਲਾਜਮੀ ਪੰਜਾਬੀ

ਕਲਾਸ – ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ. ਸਮੈਸਟਰ –ਪੰਜਵਾਂ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : -

ਵਿਦਿਅਰਥੀਆਂ ਦੀਆਂ ਵਿੱਦਿਅਕ, ਬੌਧਿਕ ਅਤੇ ਸਰਵਪੱਖੀ ਪ੍ਰਿਭਾਵਾਂ ਨੂੰ ਉਭਾਰਨ ਅਤੇ ਉਘਾੜਨ ਵੱਲ ਵਿਸ਼ੇਸ਼ ਧਿਆਨ ਦੇਣਾ। ਵਿਦਿਅਰਥੀਆਂ ਨੂੰ ਵਿਦਿਆ ਦਾ ਮਕਸਦ ਸਮਝਾਉਣਾ। ਚੰਗੇ ਇਨਸਾਨ ਬਣਨ ਲਈ ਪ੍ਰੇਰਨਾ ਅਤੇ ਸਮਾਜਿਕ ਜ਼ਿਮੇੰਵਾਰੀਆਂ ਦੇ ਅਨੁਕੂਲ ਬਣਾਉਣਾ ਤੇ ਉੱਤਮ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਪੜ੍ਹਨ ਲਈ ਪ੍ਰੇਰਨਾ ਦੇਣਾ ਤਾਂ ਕਿ ਉਹ ਚੰਗੀ ਜੀਵਨ ਜਾਂਚ ਸਿੱਖ ਸਕਣ।

(ਓ) ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :-

- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖ ਵੱਖ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਲਿਖਣ ਵੱਲ ਆਕਰਸ਼ਿਤ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿਆਕਰਨਿਕ ਨੇਮ ਵਿਧਾਨ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।

(ਅ) ਬੰਧਿਕ ਹੁਨਰ :-

- ਸਾਹਿਤ ਸਮਾਜ ਦਾ ਦਰਪਣ ਹੈ। ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦਾ ਸਮਾਜ ਪ੍ਰਤੀ ਚੰਗਾ ਨਜਰੀਆਂ ਬਣੇਗਾ।
- ਸਾਹਿਤ ਜਿੱਥੇ ਉਨ੍ਹਾਂ ਨੂੰ ਰੋਜਗਾਰ ਦੇ ਵਸੀਲੇ ਪ੍ਰਾਪਤ ਕਰਵਾਏਗਾ ਉੱਥੇ ਉਹ ਚੰਗੇ ਪ੍ਰਾਣੀ ਵਜੋ ਹੋਂਦ ਗ੍ਰਹਿਣ ਕਰਨਗੇ।
- ਸਾਹਿਤ ਪੜ੍ਹਨ ਨਾਲ ਉਨ੍ਹਾਂ ਦੀ ਆਪਣੀ ਸੋਚ ਬਦਲੇਗੀ ਜਿਸ ਨਾਲ ਉਹ ਸਮਾਜ ਨੂੰ ਚੰਗੀ ਸੋਚ ਦੇਣਗੇ।

(ੲ) <u>ਅਮਲੀ ਹੁਨਰ :-</u>

- ਹਫ਼ਤੇ ਦੇ ਛੇ ਦਿਨ ਲੈਕਚਰ।
- ਸਮੇਂ ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਮੌਖਿਕ ਅਤੇ ਲਿਖਿਤ ਟੈਸਟ ਲੈਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਆਤਮ ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨ ਲਈ ਡੀਬੇਟ ਅਤੇ ਕੋਈ ਇੱਕ ਵਿਸ਼ਾ ਦੇ ਕੇ ਉਸ ਉਪਰ ਵਿਚਾਰ −ਵਿਟਾਂਦਰਾ ਕਰਨ ਲਈ ਕਹਿਣਾ।
- ਪਾਠਕ੍ਮ ਨਾਲ ਸੰਬੰਧਿਤ ਵਿਸ਼ਿਆਂ ਉਪਰ ਲਿਖਤੀ ਰੂਪ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰਾਉਏ ਅਤੇ ਵਿਚਾਰ ਚਰਚਾ ਕਰਾਉਈ।

 ਸਮੇਂ-ਸਮੇਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲਾਇਬਰੇਰੀ ਲਿਜਾਣਾ ਤਾਂ ਜੋ ਉਹਨਾਂ ਅੰਦਰ ਪੁਸਤਕਾਂ ਪੜ੍ਹਨ ਦੀ ਜਗਿਆਸਾ ਪੈਦਾ ਹੋਵੇ।

(ਸ)<u>ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਕ ਪਧੱਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁ</u>ਨਰ:-

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਲਾਜ਼ਮੀ ਪੰਜਾਬੀ

ਪ੍ਰੋਗਰਾਮ: ਬੀ.ਏ / ਬੀਐੱਸ.ਸੀ / ਬੀ.ਕਾਮ/ਬੀ.ਬੀ.ਏ.

ਸਮੈਸਟਰ: ਛੇਵਾਂ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਗਰੂਕ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਕਰਕੇ ਸਾਹਿਤ ਰਚਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕਰਨਾ।ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਉਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ 🗉

- ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰਥ ਹੋਣਗੇ।
- ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਹੋਏਗੀ।
- ਵਿਆਕਰਨਿਕ ਇਕਾਈਆਂ ਅਤੇ ਵਿਆਕਰਨਕ ਵਰਗਾਂ ਨਾਲ ਜੁੜੇ ਹੋਏ ਮੁੱਢਲੇ ਸੰਕਲਪਾਂ ਬਾਰੇ ਜਾਣਨਗੇ।
- ਸ਼ਬਦ ਬਣਤਰ ਤੇ ਸ਼ਬਦ ਰਚਨਾ ਦੇ ਨਾਲ-ਨਾਲ ਮਾਤ ਭਾਸ਼ਾ ਪੜ੍ਹਣ ਤੇ ਬੋਲਣ ਵਿੱਚ ਰੁਚੀ ਪੈਂਦਾ ਹੋਏਗੀ।

ਅਮਲੀ ਹੁਨਰ (Practical skill)

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਤਕਨਾਲੋਜੀ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਇੰਟਰਨੈੱਟ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀ ਦੀ ਬਹੁਪੱਖੀ ਸਖਸ਼ੀਅਤ ਨੂੰ ਉਘੇੜਣ ਤੇ ਨਿਖਾਰਨ ਵਿਚ ਸਹਿਯੋਗ ਦੇਵੇਗਾ।

*ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

English for UG Classes

Course Name – General English Class: B.A./B.Com./B.Sc. SEMESTER I

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

 \Box Simple present tense \Box Be in the present tense \Box Singular/plural forms of regular nouns

 \Box Parts of speech

LITERATURE

Understand a basic paragraph \Box Scan for specific words in a text \Box Know most sound-to-letter correspondences \Box Write sentences using a limited vocabulary \Box Write a paragraph using a limited vocabulary \Box Copy a paragraph correctly

Course Outcomes:

Knowledge and Understanding:

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:
- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

• Awareness of how different social and cultural contexts affect the nature of language and meaning.

Practical Skills :

- Digital copywriter
- Editorial assistant
- English as a foreign language teacher
- Lexicographer
- Magazine journalist
- Newspaper journalist
- Publishing copy-editor/proofreader
- Secondary school teacher

- Web content manager
- Writer

Transferable Skills :

- Setting schedules and working under deadline The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.
- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and present it effectively skills that will serve them well for any workplace presentation or project.
- Taking constructive criticism or "agreeing to disagree Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a

classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.

• **Grammar and spelling** - Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

Course Name – General English Class: B.A. /B.Com. /B.Sc. SEMESTER II

Objective of the Course: Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Develop their intellectual, personal and professional abilities.

GRAMMAR

Simple present tense
 Be in the present tense
 Singular/plural forms of regular nouns
 Parts of speech

LITERATURE

Understand a basic paragraph \Box Scan for specific words in a text \Box Know most sound-to-letter correspondences \Box Write sentences using a limited vocabulary \Box Write a paragraph using a limited vocabulary \Box Copy a paragraph correctly

Course Outcomes :

Knowledge and Understanding :

Knowledge of major literary works, genres and critical traditions

Understand and empathize with other cultures and people through exploring their literary traditions

- Knowledge of linguistic, literary, cultural contexts in which literature is written and read
- Understanding:

- Written and oral communication skills ability to define audience, construct an argument, present an idea, and provide background information on a variety of issues
- Write and speak with clarity and precision, and learn the best methods to persuade an audience
- Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others
- Sensitivity to how communication is shaped by circumstances, authorship and intended audience
- Sensitivity to the power of language and its role in creating meaning
- A broad vocabulary and ability to use critical terminology appropriately
- Skills in a variety of research methods and the ability the accurately and appropriately present research

Intellectual, Cognitive / Analytical Skills :

• Write and speak with clarity and precision, and learn the best methods to persuade an audience

• Detailed, balanced and rigorous examination of texts or spoken language and the ability to articulate interpretations to others

• Sensitivity to how communication is shaped by circumstances, authorship and intended audience

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Practical Skills :

- Digital copywriter
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- Secondary school teacher
- Web content manager
- Writer

Transferable Skills :

- Setting schedules and working under deadline The bread and butter of an English major is meeting deadlines. That might mean reading 400 pages of Virginia Woolf and feminist literary criticism over five days, or conducting research for a 25-page term paper. Sometimes, it might mean cranking out a lengthy writing assignment on short notice. English majors routinely take on large projects that require them to manage their time efficiently, meet self-imposed deadlines, and work under time pressure to complete long- and short-term projects. Those skills are valuable in any workplace.
- Communicating clearly and grasping tone -Today, written communication reigns: email, instant messaging, texting, Twitter, Facebook, LinkedIn. That means writing skills are incredibly important. English majors know how to write crisply and concisely, and also have a strong grasp of tone. In business communications, for example, English majors will understand how to tailor their language to fit the company. English majors will also likely pick up the tone of an email from the boss or a client, and better understand what note to strike in the reply.
- Thinking critically and arguing a point English majors are taught to rethink and question everything they read. Rarely is there one "right answer;" rather, there are many possible answers that can be interpreted and argued in different ways. "I think being able to take a work, a piece of literature, or anything in the written word and being able to analyze it and think about it and take it not necessarily at face value is something that can be used in many work settings," Goldman says. In learning to make an argument about a book, English majors are taught to pick a manageable topic, frame an argument, and

present it effectively - skills that will serve them well for any workplace presentation or project.

- **Taking constructive criticism or "agreeing to disagree** Even though there's rarely one "right answer" in English, that doesn't mean everything is a right answer. Sometimes a professor will disagree with your point, or your argument will be discarded in favor of a classmate's. Goldman calls it the "ability to have healthy debate" and "understand how others argue their points." English majors learn to take constructive criticism.
- **Grammar and spelling** Yes, this seems obvious, but far too few people these days have a solid knowledge of English grammar and a broad vocabulary. English majors love words. They know the difference between they're/their/there and why "less" is different from "fewer." Everyone makes typos once in a while, but you can be sure most English majors are producing clean copy.

Course Name: General English

Class: B.A./B.Com./B.Sc. Semester: III

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

- a) **Knowledge and Understanding:** The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) Intellectual Cognitive /Analytical skills: Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.

- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.
- d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

Course Name: General English

Class: B.A./B.Com./B.Sc. Semester: IV

Objective of The course: The course aims to introduce a wide range of Literature in English. In its basic sense, the course has the aim to offer the opportunity for students to be able to respond and read cum create poetry with associated genres. It also tells the students about the structure of English language.

- a) Knowledge and Understanding: The students will be able to understand different genres of English literature. They will also understand the structure of the grammar through its practical knowledge and its usefulness in our day to day life.
- b) Intellectual Cognitive /Analytical skills: Students will be able to enhance their mental ability by learning techniques, symbols and terms which are used in English Literature. It will further develops the critical or analytical thinking of the students, when they practice the exercises of Grammar pertaining to Tenses, voices, Modals etc.
- c) **Practical skills:** The students will develop their writing skills by using exercises based on sentence structure. Students will understand the basic concepts related to spoken English language in an effective way and use the rules of grammar in their daily communication.

d) **Transferable skills:** After the completion of the course, students can impart their knowledge while pursuing higher studies or doing jobs and help other students in making better communication with others.

Course Name: English Compulsory

Class: B.A. /B.Sc. / B.Com/BBA Semester: V

Objective of the course:

- As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies
- [□] The course also takes into objective the establishment of a close proximity of students with English literature and helping them appreciate various facets of literary genres with special deliberations on poetry

- A. **Knowledge and Understanding:** Comprehending and appreciating literature in the pure textual form subsequently ensuring an acquaintance with English drama and its various devices
- B. Intellectual Cognitive /Analytical skills: Learning numerous literary techniques as put forth through the curriculum and also developing general awareness on contemporary issues in target language
- C. **Practical skills :** Enhancing writing skills through skill-based questions on the same and gaining knowledge of technical writings such as technical, newspaper and finding reports along with other official documentations
- **D. Transferable skills:** Developing professional writing skills through resume building tasks and other professional write-ups

Course Name: English Compulsory

Class: B.A./B.Sc./ B.Com/BBA Semester: VI

Objective of the course:

As the concluding level program in the subject of English for students at the graduation levels, the course is aimed at preparing students in the target language for an optimum and skilful use in their further studies.

- 1. Comprehending and appreciating literature in the pure textual form
- 2. Ensuring an acquaintance with English drama and its various devices
- 3. Learning numerous literary techniques as put forth through the curriculum
- 4. Enhancing writing skills through skill-based questions on the same
- 5. Developing general awareness on current issues in target language
- 6. Reviewing the language acquisition over the previous semesters and upgrading the areas requiring attention in terms of language proficiency

M.Sc (Information Technology)

PROGRAM OUTCOMES(PO)

PO1: Will have the ability to communicate computer science concepts, designs, and solutions effectively and professionally. Apply knowledge of computing to produce effective designs and solutions for specific problems. Identify, analyze, and synthesize scholarly literature relating to the field of computer science; and use software development tools, software systems, and modern computing platforms.

PO2: Work in a collaborative manner with others on a team, contributing to the management, planning and implementation of a computer system.

PO3: Independently propose a small scale research project, plan its execution, undertake its development, evaluate its outcome and report on its results in a professional manner.

PO4: Advance knowledge through innovation and knowledge creation. Pursue life-long learning in practice. Interpret and present theoretical issues and empirical findings.

PROGRAM SPECIFIC OUTCOMES(PSO)

PSO1: Gains understanding about techniques, technologies and methods used in managing and implementing information technology systems.

PSO2: Widens and deepens understanding of computing technologies and covers high level concept that enable the effective management and planning of IT project and services.

PSO3: High level strategy and design in-depth technical specializations, management and planning of IT project and services.

COURSE OUTCOMES

COURSE NAME: MIT-101 Analysis & Design of Embedded SystemsCLASS - M.Sc. Information TechnologySEMESTER – I

Course Objectives:

- 1. To have knowledge about the basic working of a microcontroller system and its programming in assembly language.
- 2. To provide experience to integrate hardware and software for microcontroller applications Systems.

Course Outcomes:

To acquire knowledge about microcontrollers embedded processors and their applications.

- 1. Foster ability to understand the internal architecture and interfacing of different peripheral devices with Microcontrollers.
- 2. Foster ability to write the programs for microcontroller.

- 3. Foster ability to understand the role of embedded systems in industry.
- 4. Foster ability to understand the design concept of embedded systems.

COURSE NAME: MIT-102 Distributed Computing CLASS - M.Sc. Information Technology SEMESTER – I

Objective of the Course:

To provide in-depth study in the area of distributed computing on models, architectures, algorithms and techniques and to allow the student to:

- Acquire fundamental knowledge in distributed computing.
- Learn about advanced distributed computing concepts.
- Understand limitations and appreciate innovative solutions.
- Apply the knowledge in distributed application development and problem solving.

Course Outcomes:

a) Knowledge and Understanding: Students will

- Outline the potential benefits of distributed systems.
- Summarize the major security issues associated with distributed systems along with the range of techniques available for increasing system security.
- Understand the concepts of distributed database systems and synchronization algorithms.
- Learn distributed operating systems and token based algorithms.
- Understand the concepts of process and resource management in distributed computing environment.

b) Intellectual Cognitive/Analytical Skills: Students will be able to

- Apply standard design principles in the construction of these systems.
- Select appropriate approaches for building a range of distributed systems.
- Gain knowledge on Distributed operating system concepts- multi-processor operating system and database operating systems.
- Acquire knowledge on the process of communication and interconnection architecture of multiple computer systems.

c) Practical Skills: Students will learn to:

- Apply Security techniques in Distributed System.
- Manage Distributed Shared Memory.
- Analyze and understand the concepts of synchronization of clocks and deadlocks.

d) Transferable Skills: Students will be able to

• Apply the different measures for protection and security in operating systems.

COURSE NAME: MIT-103 Advanced Computer Organization and Architecture CLASS - M.Sc. Information Technology SEMESTER – I

Objectives of the Course:

Students will get familiar with

- 1. Conceptualize the basics of organizational and architectural issues of a digital computer.
- 2. Analyze processor performance improvement using instruction level parallelism.
- 3. Learn the function each element of a memory hierarchy.
- 4. Study various data transfer techniques in digital computer.

5. Acquainting the students with principles and concepts of parallel processing including parallel computer architectures, performance metrics, the scheduling problem and parallel algorithms.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

A. <u>Knowledge and Understanding</u>):

Students will be able to

- Define the basics of Computer Systems.
- Demonstrate the basics of Computer Components.
- Articulate design issues in the development of processor or other components that satisfy design requirements and objectives.

B. Intellectual(Cognitive/ Analytical) Skills:

Students will be try to

- Recognize and assemble components.
- Develop Analytical Skills.
- Compare methods with data.

C. Practical Skills

Students will be able to

- Choose the appropriate Operating system.
- Develop computer-based systems.
- Evaluate systems in terms of quality attributes.

D. <u>Transferable Skills</u> :

Students will be able to

- Use different Problem Solving techniques.
- Follow Analytical Thinking.
- Follow Creative Thinking.
- Practice Designing skills in software projects.
- Practice Engineering skills for software development

COURSE NAME: MIT-104 Network Operating SystemsCLASS - M.Sc. Information TechnologySEMESTER – I

Course Objectives:

The goal is to give the students experience with Network Operating System (Server) structure and management so that when they enter the workforce, they already have skills that set you apart from other candidates who only have a textbook understanding of servers. The emphasis will be on real-world application of the material so that they have a practical appreciation of the information.

Learning Outcomes:

Upon successful completion of the course, the student should be able to:

- Demonstrate an understanding of the principles, practices and goals of system administration.
- Demonstrate an understanding of system components, the advantages of Unix-like and Windows-like OS, major networking models, network addressing and naming systems, network services.
- Demonstrate an understanding of the major approaches to computer management in the network environment.
- Demonstrate an understanding of the features of the Windows 2003 Server Operating System.
- Perform the installation of Windows 2003 OS and configure the server environment.
- Demonstrate an understanding of Active Directory and its key features.
- Perform user accounts management and implement security groups.
- Perform configuration, management, and troubleshooting of folders, files, and printing resources.
- Demonstrate an understanding of the configuration and management of data storage.
- Demonstrate an understanding of Group Policies to secure Windows 2003 Server.
- Perform network services installation and management.
- Use server and network monitoring software tools.

- Describe the elements of an effective troubleshooting methodology and use a variety of software and hardware tools to diagnose problems.
- Demonstrate an understanding of network backup and recovery strategies and how to protect a network from viruses.
- Use Network OS administration techniques to provide basic security.

COURSE NAME: MIT-105 Computational Problem Solving Using Python CLASS - M.Sc Information Technology SEMESTER – I

Objective of the course:

It aims at acquainting students better with the process of Computational Problem Solving, Python Programming Language fundamentals. Students will enrich their programming skills using Data types,List Structures, Control Structures,Functions, Objects and their Use, Modular Design and Text files handling using Python Language. Python is a very powerful language and is used in various domains so there is better career prospectus for the students after grasping thorough knowledge about Python programming. Career prospectus after completion of course of study are as Programmer, Web developer, Data Scientist, Information Officer, Application analyst, IT consultant, IT technical support officerand allied jobs. Further Knowledge of usage of Python libraries and other allied technical skills are essential for achieving heights in this field.

The key goal is to prepare students for a professional career in the field of Programing, Web development, Data Science etc.

- To get acquaint students with good knowledge of Programmingskills.
- To get acquaint students with various case studies using Python.

Course Outcomes:

a) Knowledge & Understanding : Python programming.

b) Intellectual Cognitive/ analytical skills: Application development.

c) Practical Skills :Programming for application development and data science.

d) Transferable skills: Ability to define a practical problem, Data structure and Modular approach.

COURSE NAME: MIT-201 Mobile ComputingCLASS - M.Sc Information TechnologySEMESTER - II

Course Objectives

To impart fundamental concepts in the area of mobile computing, to provide a computer systems perspective on the converging areas of wireless networking, embedded systems, and software, and to introduce selected topics of current research interest in the field. **Course Outcomes:**

- Understand fundamentals of wireless communications.
- Analyze security, energy efficiency, mobility, scalability, and their unique characteristics in wireless networks.
- Demonstrate basic skills for cellular networks design.
- Apply knowledge of TCP/IP extensions for mobile and wireless networking.

COURSE NAME: MIT-202 Distributed DatabasesCLASS - M.Sc Information TechnologySEMESTER – II

Objective of the course:

It aims at acquainting students better with the basics of Distributed DBMS, different Architectural Models for DDBMS, Data allocation, Relational Database Design, Information Requirements for Data allocation, Query Processing & Optimization in context of distributed databases. Career prospectus after completion of course of study are as Data manager, Data administrator, Database analyst, Database designer and allied jobs. Further Knowledge of database management systems software and strong programming skills are essential for achieving heights in this field.

- The key goal is to prepare students for a professional career in the field of data administration and database design.
- To get acquaint students with good knowledge of Distributed DBMS. During the course, students will learn about data distribution, data distribution mechanism/ techniques along with its pros/cons.
- To get acquaint students with Query Decomposition and Distributed Concurrency Control issues, methods and their merits and demerits.

- Knowledge & Understanding : Distributed Databases and their design & development
- Intellectual Cognitive/ analytical skills: Data Distribution and Allocation strategies
- Practical Skills : Algorithmic knowledge about distributed database design and allocation

• Transferable skills: Usage of DDBMS design and allocation models

COURSE NAME: MIT-203 Image Processing

CLASS - M.Sc Information Technology SEMESTER – II

Objectives of the Course:

- To learn and understand the fundamentals of digital image processing, and various image Transforms, Image Enhancement Techniques, Image restoration Techniques and methods, image compression and Segmentation used in digital image processing.
- To have understanding about various algorithms of Digital Image Processing so that the respondent may be able to implement in their practical.

Learning Outcomes:

A. Knowledge and Understanding:

Students will be

• This course introduces digital image processing. It focuses on the theory and algorithms underlying a range of tasks including acquisition and formation, enhancement, segmentation, and representation.

B. Intellectual (Cognitive/ Analytical) Skills:

Students will be able to

- An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- An ability to analyze a problem and identify the computing requirements appropriate for its solution; an ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs.
- An ability to apply mathematical foundations, algorithmic principles and computer science theory to the modeling and design of computer based systems in a way that demonstratescomprehension of the tradeoffs involved in design choices.

C. Practical Skills

Students will be able to learn:

• Develop programs in their practical labs.

D. Transferable Skills:

Students will be able to

• To develop interest in research oriented approach towards the course content so as to take this course as domain for their project work at later stage.

COURSE NAME: MIT-204 Fuzzy Systems CLASS - M.Sc Information Technology

SEMESTER – II

Objective of this course is :

- To understand the fundamental theory and concepts of Fuzzy sets theory, Fuzzy relations.
- To understand the concepts of Properties of Membership Functions.
- To understand the basics of an evolutionary computing paradigm known as genetic algorithms and its application to engineering optimization problems.
- To understand decision making using Fuzzy information.
- To understand the use of MATLAB in Fuzzy Logics.

Course Outcomes:

a) Knowledge and Understanding: Students will

- Understand the concepts of Fuzzy Systems, ANN, Genetic Algorithms and its applications.
- Understand the concepts of feed forward neural networks and learning and understanding of NETWORKS AND FUZZY feedback neural networks.
- Understand the concept of fuzziness involved in various systems and fuzzy set theory.
- Comprehensive knowledge of fuzzy logic control and adaptive fuzzy logic.
- Gain adequate knowledge of application of fuzzy logic control to real time systems.

b) Intellectual Cognitive/Analytical Skills: Students will be able to

- Identify process/procedures to handle real world problems using Fuzzy Logics.
- Analyze and apply the neural networks to solve classification and functions approximation.

c) Practical Skills: Students will learn

- Back Propagation Networks for real world problems.
- Fuzzy logic in Industrial application.
- Implementation of Genetic Algorithms for optimization problems.
- Designing of fuzzy membership functions and construct fuzzy logic control systems for simple applications.

d) Transferable Skills: Students will be able to

- Apply fuzzy logic and reasoning to handle uncertain data to solve various fields of engineering problems.
- Design hybrid system to revise the principles of Fuzzy Logics in various applications.

COURSE NAME: MIT-205 Network Design and Performance AnalysisCLASS - M.Sc Information TechnologySEMESTER – IIObjectives of Course:

- To teach students how to evaluate a network situation,
- To help students to identify the most important network aspects that need to be monitored and analysed.
- Teach network modelling and simulation

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Describe and develop a network model using analysis and simulation
- Design a new network model to meet requirements for new and existing networks.
- Use quantitative and qualitative techniques to design or upgrade a network
- Make decisions on the proper network technologies, routing protocols, network topologies, node placement, etc.
- Troubleshoot and diagnose network problems
- Identify network issues, risks, bottlenecks, etc

COURSE NAME: MIT-301 Network ProtocolsCLASS - M.Sc Information TechnologyObjectives of the Course:

There are specific protocols or rules and standards that every device must follow to access the Internet and to communicate over a network. In this course, you will examine the principles of network communication, how networks are designed and what specifically is being sent and received by different devices when we send pictures, text messages, video or any other data across the network. What exactly is sent and how is it sent are the questions that will be answered in this course.

.<u>Course Outcomes:</u>

At the end of this course, you will be able to:

- 1. Explain how protocols and standards benefit a global internetwork.
- 2. Describe how the Ethernet Protocol transmits data within a LAN.
- 3. Explain IPv4 addressing and the role subnet masks.

4. Use Cisco Packet Tracer to connect hosts to a wireless router in a LAN.

5. Use a protocol analyzer or "packet sniffer" to open and examine a data packet that has been transmitted across a network.

6. Examine a Windows computer to locate the physical or MAC address used send and receive data

COURSE NAME: MIT-302 Advanced Web TechnologiesCLASS - M.Sc Information TechnologySEMESTER – IIIObjectives:Objectives:

To objective of this course is to get familiarize with Microsoft.Net, C#, and ASP.NET technologies. This is designed to understand the different concepts and features of .NET coding, debugging and developing of Windows and web applications.

Outcomes:

- **Knowledge and Understanding**: Learn web development model view controller principles, data structures, and libraries. The subject matter of the course is object-oriented development in the ASP.NET MVC using the C# language.
- Intellectual Cognitive/ Analytical Skills: Develop critical thinking skills through solving programming problems in practical assignments, on projects, and on tests.
- **Practical Skills**: . Successful students will able to design web applications using ASP.NET. They will be able to use ASP.NET controls in web applications and will be able to debug and deploy ASP.NET web applications. They will be able to create database driven ASP.NET web applications and web services
- **Transferable Skills:** In many multinational companies they can work effectively in a group or team to achieve goals and can show initiative and leadership abilities.

COURSE NAME: MIT-303 Linux Administration

CLASS - M.Sc Information Technology SEMESTER – III <u>Objectives of the Course:</u>

- To learn the fundamentals of Operating Systems.
- To learn the mechanisms of OS to handle processes and threads and their communication
- To learn the mechanisms involved in memory management in contemporary OS
- To gain knowledge on distributed operating system concepts that includes architecture, Mutual exclusion algorithms, deadlock detection algorithms and agreement protocols.
- To know the components and management aspects of concurrency management .
- To learn programmatically to implement simple OS mechanisms.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills). Learning Outcomes:

Knowledge and Understanding):

Students will

- Simple Programs and Development environment
- Datatypes
- Primitive Datatypes
- Variables, Operator, Selection Statements, Iteration statements (Loops)

• Jump Statements, Array, Classes , Class Inheritance Abstract, Class And Methods

COURSE NAME: MIT-304 System SimulationCLASS - M.Sc Information TechnologySEMESTER – IIIObjectives of Course:

The aim of this course is to introduce various system modeling and simulation techniques, and highlight their applications in different areas. It includes modeling, design, simulation, planning, verification and validation. After learning the simulation techniques, the students are expected to be able to solve real world problems which cannot be solved strictly by mathematical approaches. This course begins by demonstrating the usefulness of simulation as a tool for problem solving in business, industry, government, and society.

- To understand the concept of System Simulation and its application in real world.
- To understand the different types of System Simulation and the usage.
- To understand the concept of random number generation in discrete simulation.
- To understand queuing simulation process in detail.
- To learn about models of Inventory Control.
- To understand experimental layout of simulation experiment.

COURSE OUTCOMES

At the end of this course the student shall be able to:

Knowledge and understanding :-

- Understand different methods for random number generation
- Have a clear understanding of the need for the development process to initiate the real problem.
- Have a clear understanding of principle and techniques of simulation methods informed by research direction.

Cognitive skills (thinking and analysis) -

- Be able to describe the components of continuous and discrete systems and simulate them
- Be able to model any system from different fields.
- Be able to implement numerical algorithm to meet simple requirements, expressed in English .
- Be able to discuss the simulation methods and select the suitable technique on the problems.

Communication skills (personal and academic). -

• Know how to simulate any discrete system using queuing systems

• Be able to work effectively with others

Practical skills

• Use a range of commercial software packages to construct, verify and validate models of the given systems

COURSE NAME: MIT-305 Microprocessor and Its ApplicationsCLASS - M.Sc Information TechnologySEMESTER – IIICourse Objective:

- To introduce students with the architecture and operation of typical microprocessors and microcontrollers.
- To familiarize the students with the programming and interfacing of microprocessors and microcontrollers.
- To provide strong foundation for designing real world applications using microprocessors and microcontrollers.

Course Outcomes:

- Evaluate and solve basic binary math operations using the microprocessor and describe the microprocessor's and Microcontroller's internal architecture and its operation within the area of manufacturing and performance.
- Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.
- Compare accepted standards and guidelines to select appropriate Microprocessor (8085 & 8086) and Microcontroller to meet specified performance requirements.
- Analyze assembly language programs; select appropriate assemble into machine a cross assembler utility of a microprocessor and microcontroller.
- Design electrical circuitry to the Microprocessor I/O ports in order to interface the processor to external devices.
- Evaluate assembly language programs and download the machine code that will provide solutions real- world control problems.

COURSE NAME: MIT-401 Advanced Java TechnologyCLASS - M.Sc Information TechnologySEMESTER – IVObjectives of the Course:

This course aims at introducing students to object oriented programming (OOP) using the Java programming language, fundamental features like object classes and interfaces, exceptions and libraries of object collections. Its main objective is to teach the basic concepts and techniques which form the object oriented programming paradigm.

Program Learning Outcomes:

Knowledge, understanding, application, analysis, synthesis and evaluation

- knowledge of the structure and model of the Java programming language
- use the Java programming language for various programming technologies
- evaluate user requirements for software functionality required to decide whether the Java programming language can meet user requirements
- propose the use of certain technologies by implementing them in the Java programming language to solve the given problem
- choose an approach to solving problems, starting from the acquired knowledge of programming and knowledge of operating systems

COURSE NAME: MIT-402 Network SecurityCLASS - M.Sc Information TechnologyObjectives of the Course:

A network security course discusses different types of malicious attacks and various methods of responding to them. Students learn how to protect computer networks by using security codes. The course also examines malware, social engineering attacks, operating system holes, web security, privacy and e-mail hacking.

Course Outcomes

- Upon successful completion of this course, the student should be able to:
- Recognize the basic working principles of computer networks.
- Identify threats to network security.
- Distinguish between various protocols employed to secure networks.
- Utilize network security tools.
- Specify procedures for defending network systems.
- Develop network security policies.
- Specify procedures for recovery from attacks on networks.

COURSE NAME: MIT-403 Artificial Neural NetworkCLASS - M.Sc Information TechnologySEMESTER – IV

Course Objectives:

This course aims at introducing the fundamental theory and concepts of computational intelligence methods, in particular neural networks, fuzzy systems, genetic algorithms and their applications in the area of machine intelligence. This can be summarized as:

- 1. To understand the fundamental theory and concepts of neural networks, neuro-modeling, several neural network paradigms and its applications.
- 2. To understand the basics of an evolutionary computing paradigm known as genetic algorithms and its application to engineering optimization problems.

Learning Outcomes:

- Understand generic machine learning terminology
- Understand motivation and functioning of the most common types of deep neural networks
- Understand the choices and limitations of a model for a given setting
- Apply deep learning techniques to practical problems
- Critically evaluate model performance and interpret results
- Write reports in which results are assessed and summarized in relation to aims, methods and available data

M.A Punjabi

Programe outcomes

- ਸਮੀਖਿਆਤਮਕ ਚਿੰਤਨ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ, ਸਭਿਆਚਾਰ ਅਤੇ ਸਾਹਿਤ ਦੇ ਵਿਭਿੰਨ ਸਰੋਕਾਰ।
- ਪੰਜਾਬੀ ਭਾਸਾ, ਸਾਹਿਤ ਅਤੇ ਸਭਿਆਚਾਰ ਦੀ ਵਰਤਮਾਨ ਸਥਿਤੀ ਅਤੇ ਵਿਕਾਸ ਦੀਆਂ ਸੰਭਾਵਨਾਂ।
- ਪੰਜਾਬੀ ਸਾਹਿਤ ਨਾਲ ਸੰਬੰਧਤ ਰੋਜ਼ਗਾਰ ਦੇ ਪਾਸਾਰ ਅਧਿਆਪਨ, ਪੱਤਰਕਾਰੀ ਅਤੇ ਟਾਈਪਿੰਗ।
- ✤ ਪੰਜਾਬੀ ਸਾਹਤ ਚਿੰਤਨ, ਸੁਹਜਾਤਮਕ ਤੇ ਨੈਤਿਕ ਸਿੱਖਿਆ।
- ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦਾ ਸਰਵਪੱਖੀ ਅਧਿਐਨ ਅਤੇ ਟ੍ਰੇਨਿੰਗ ਦੁਆਰਾ ਮਨੋਰੰਜਨ ਦੀ ਦੁਨਿਆਂ ਵਿਚ ਰੁਜ਼ਗਾਰ ਦਾ ਮੌਕਾ।
- ਇਜਲਈ ਮੀਡੀਆ ਵਿਚ ਰੁਜਗਾਰ ਲਈ ਭਾਸ਼ਾ ਦੀ ਮੁਹਾਰਤ ਅਤੇ ਸਾਹਿਤ ਸਭਿਆਚਾਰ ਦੀ ਉਚੇਰੀ ਸੁਝ ਦਾ ਮਹੱਤਵ।
- ❖ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਨਾਲ ਹੋਰ ਭਾਸ਼ਾ ਦੇ ਗਿਆਨ ਲਈ ਅਨੁਵਾਦ ਦੁਭਾਸੀਏ ਵਜੋਂ ਰੁਜ਼ਗਾਰ।
- ਸੈਰ ਸਪਾਟਾ ਸੰਬੰਧੀ ਵਿਦੇਸ਼ੀ ਯਾਤਰੂਆਂ ਲਈ ਦੁਭਾਸ਼ੀਏ ਦੀ ਸੇਵਾ।

Programe Specific Outcome

- ਸਰਕਾਰੀ ਅਤੇ ਗੈਰ-ਸਰਕਾਰੀ ਵਿੱਦਿਅਕ ਅਦਾਰਿਆਂ ਵਿਚ ਅਧਿਆਪਨ ਅਤੇ ਖੋਜ ਦੇ ਕਾਰਜ ਨਾਲ ਸੰਬੰਧਤ ਰੁਜ਼ਗਾਰ।
- ਪ੍ਰਿੰਟ ਮੀਡੀਆ ਵਿਚ ਖ਼ਬਰ, ਕਾਲਮ ਨਵੀਸੀ, ਅਨੁਵਾਦਕ ਅਤੇ ਪਰੂਫ਼ ਰੀਡੀਗ ਦੇ ਖੇਤਰ ਵਿਚ ਰੁਜ਼ਗਾਰ।
- ਇਜਲਈ ਮੀਡੀਆ ਵਿਚ ਬਤੌਰ ਐਂਕਰ, ਨਿਊਜ਼ ਰੀਡਰ, ਕੁਮੈਂਟੇਟਰ ਅਤੇ ਟਿੱਪਣੀਕਾਰ ਵਜੋਂ ਰੁਜ਼ਗਾਰ।
- ਐਗ-ਸਰਕਾਰੀ ਸਾਹਿਤਕ-ਸਭਿਆਚਾਰਕ ਅਤੇ ਕਲਾਤਮਕ ਵਰਗਾਂ ਵਿਚ ਪੇਸ਼ਕਾਰੀ ਨਾਲ ਸੰਬੰਧਤ ਰੁਜ਼ਗਾਰ ਅਵਸਰ।
- ਪਾਰਮਿਕ ਖੇਤਰ ਵਿਚ ਅਧਿਆਤਮਕ ਗਰੰਥਾਂ ਦੇ ਵਿਆਖਿਆਤਮਕ ਪ੍ਰਵਚਨ ਸੰਬੰਧੀ ਰੁਜ਼ਗਾਰ।

ਕੋਰਸ ਦਾ ਨਾਮ : ਗੁਰਮਤਿ ਕਾਵਿ

ਕਲਾਸ : ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ : ਪਹਿਲਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼ :</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਗੁਰਮਤਿ ਕਾਵਿ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।ਇਸਕੋਰਸਵਿਚਗੁਰਮਤਿ ਕਾਵਿ ਦਾ ਕਾਵਿ ਸ਼ਾਸਤਰੀ ਪਰਿਪੇਖਅਤੇਗੁਰਮਤਿ ਕਾਵਿ ਦਾ ਇਤਿਹਾਸ ਸੰਬੰਧੀਵਿਦਿਆਰਥੀਆਂਨੂੰਜਾਣਕਾਰੀਪ੍ਰਦਾਨਕਰਨਾਹੈ। ਇਸਕੋਰਸਵਿਚ ਆਸਾ ਦੀ ਵਾਰ, ਸੁਖਮਨੀ ਸਾਹਿਬ, ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਈਦੇ ਦਰਸ਼ਨਸੰਬੰਧੀਜਾਣਕਾਰੀਪ੍ਰਦਾਨਕਰਨਾਹੈ।

Course outcomes:

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਕਾਵਿ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਜਾਣਗੇ।
- ਇਸਕੋਰਸਨਾਲਵਿਦਿਆਰਥੀਗੁਰਮਤਿ
 ਸਾਹਿਤਦੀਭਾਰਤੀਸਭਿਆਚਾਰਨੁੰਦੇਣਬਾਰੇਸਮਝਸਕਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀਆਸਾ ਦੀ ਵਾਰ, ਸੁਖਮਨੀ ਸਾਹਿਬ ਅਤੇ ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ ਜੀ ਦੀ ਬਾਈਦੇਦਰਸ਼ਨਨੂੰਸਮਝਸਕਣਗੇ।
- ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਗੁਰਮਤਿ ਸਾਹਿਤ ਪੜ੍ਹਨਅਤੇਅਧਿਐਨਦੀ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੈਂਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਕਾਵਿ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 2. ਵਿਦਿਆਰਥੀਗੁਰਮਤਿਕਾਵਿ ਦੀ ਭਾਰਤੀਸਭਿਆਚਾਰ ਨੂੰ ਦੇਣ ਬਾਰੇ ਸਮਝ ਸਕਣ ਦੇ ਯੋਗ ਹੋ ਜਾਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਆਸਾ ਦੀ ਵਾਰ, ਸੁਖਮਨੀ ਸਾਹਿਬਅਤੇਗੁਰੂ ਤੇਗ ਬਹਾਦੁਰ ਜੀ ਦੀ ਬਾਣੀਦੇਦਰਸ਼ਨਨੂੰਸਮਝਣਦੇਸਮਰੱਥਹੋਜਾਣਗੇ।

<u> ਵਿਹਾਰਕ ਹੁਨਰ(Practical skill):</u>

ਗੁਰਮਤਿ ਕਾਵਿਦੇ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- ਗੁਰਮਤਿ ਕਾਵਿਚਿੰਤਨ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਖੋਜ -ਪੱਤਰਲਿਖਣਦੀਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਕਾਵਿ ਸੰਬੰਧੀਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਪੇਪਰ ਦਾ ਨਾਮ: ਪੰਜਾਬੀ ਸੂਫੀ ਕਾਵਿ ਪ੍ਰੋਗਰਾਮ: ਐਮ.ਏ ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਪਹਿਲਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੂਫੀ ਕਾਵਿ ਅਤੇ ਪੰਜਾਬੀ ਸੂਫੀ ਕਾਵਿ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।

<u>ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:</u>

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਿੱਸਾ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 2. ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਸਲੋਕ ਸ਼ੇਖ ਫਰੀਦ, ਕਾਫੀਆਂ ਸ਼ਾਹ ਹੁਸੈਨ ਅਤੇ ਕਾਫੀਅਓ ਬੁੱਲੇਸ਼ਾਹ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੈਂਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਸੁਫੀ ਪਦ ਦੀ ਵਿਉਤਪਤੀ ਤੇ ਭਾਵਾਰਥ ਜਾਣਨ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸੂਫੀ ਕਾਵਿ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਸਲੋਕ ਸ਼ੇਖ ਫਰੀਦ , ਕਾਫੀਆਂ ਸ਼ਾਹ ਹੁਸੈਨ ਅਤੇ ਕਾਫੀਅਂ ਬੁੱਲੇਸ਼ਾਹ ਦਾ ਅਧਿਐਨ ਅਤੇ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰ ਸਕਣਗੇ।

ਵਿਹਾਰਕ ਹੁਨਰ(Practical skill):

- ਕਿੱਸਾ ਕਾਵਿ ਦੀ ਉਤਪਤੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 5. ਸਾਹਿਤ ਖੋਜ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ <mark>ਜਾਵੇਗੀ</mark>।
- 6. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਸਲੋਕ ਸ਼ੇਖ ਫਰੀਦ, ਕਾਫੀਆਂ ਸ਼ਾਹ ਹੁਸੈਨ ਅਤੇ ਕਾਫੀਆਂ ਬੁੱਲੇਸ਼ਾਹ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਸੂਫੀ ਕਾਵਿ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਸਲੋਕ ਸ਼ੇਖ ਫਰੀਦ , ਕਾਫੀਆਂ ਸ਼ਾਹ ਹੁਸੈਨ ਅਤੇ ਕਾਫੀਆਂ ਬੁੱਲੇਸ਼ਾਹ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਸਾਹਿਤ ਸਿਧਾਂਤ ਤੇ ਭਾਰਤੀ ਕਾਵਿਸ਼ਾਸਤਰ

ਕਲਾਸ: ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ:ਪਹਿਲਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼:

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਦੀ ਪ੍ਰਕਿਰਤੀ ਤੇ ਪ੍ਰਕਾਰਜ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ ।ਸਾਹਿਤ ਆਲੋਚਨਾ, ਸਾਹਿਤ ਅਤੇ ਸਮਾਜ ਅਤੇ ਸਾਹਿਤ ਅਤੇ ਸ਼ਖ਼ਸੀਅਤ ਬਾਰੇ ਗਿਆਨ ਕਰਵਾਉਂਦੇ ਹੋਏ ਅਰਸਤੂ ਦੇ ਅਨੁਕਰਣ ਅਤੇ ਵਿਰੇਚਨ ਸਿਧਾਂਤ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣ ਦੇ ਨਾਲ-ਨਾਲ ਰਹੱਸਵਾਦ, ਯਥਾਰਥਵਾਦ, ਰੂਸੀ ਰੂਪਵਾਦ ਅਤੇ ਮਾਰਕਸਵਾਦੀ ਆਲੋਚਨਾ ਬਾਰੇ ਸਿਧਾਂਤਕ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ। ਇਸ ਦੇ ਨਾਲ ਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਿਹਾਰਕ ਆਲੋਚਨਾ ਅਤੇ ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਬਾਰੇ ਗਿਆਨ ਦੇਣਾ ਹੈ।

Course outcomes:-

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀ ਪ੍ਰਕਿਰਤੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਸਾਹਿਤ ਸਿਧਾਂਤ ਅਤੇ ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।

- 4. ਕਿੱਸਾ ਕਾਵਿ ਦੀ ਉਤਪਤੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 5. ਸਾਹਿਤ ਖੋਜ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- 6. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਸਲੋਕ ਸ਼ੇਖ ਫਰੀਦ, ਕਾਫੀਆਂ ਸ਼ਾਹ ਹੁਸੈਨ ਅਤੇ ਕਾਫੀਆਂ ਬੁੱਲੇਸ਼ਾਹ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- ਵਿਦਿਆਰਥੀ ਸੁਫੀ ਕਾਵਿ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਸਲੋਕ ਸ਼ੇਖ ਫਰੀਦ , ਕਾਫੀਆਂ ਸ਼ਾਹ ਹੁਸੈਨ ਅਤੇ ਕਾਫੀਆਂ ਬੁੱਲੇਸ਼ਾਹ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਸਾਹਿਤ ਸਿਧਾਂਤ ਤੇ ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਕਲਾਸ: ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ:ਪਹਿਲਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਦੀ ਪ੍ਰਕਿਰਤੀ ਤੇ ਪ੍ਰਕਾਰਜ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।ਸਾਹਿਤ ਆਲੋਚਨਾ, ਸਾਹਿਤ ਅਤੇ ਸਮਾਜ ਅਤੇ ਸਾਹਿਤ ਅਤੇ ਸ਼ਖ਼ਸੀਅਤ ਬਾਰੇ ਗਿਆਨ ਕਰਵਾਉਂਦੇ ਹੋਏ ਅਰਸਤੂ ਦੇ ਅਨੁਕਰਣ ਅਤੇ ਵਿਰੇਚਨ ਸਿਧਾਂਤ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣ ਦੇ ਨਾਲ-ਨਾਲ ਰਹੱਸਵਾਦ, ਯਥਾਰਥਵਾਦ, ਰੂਸੀ ਰੂਪਵਾਦ ਅਤੇ ਮਾਰਕਸਵਾਦੀ ਆਲੋਚਨਾ ਬਾਰੇ ਸਿਧਾਂਤਕ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ। ਇਸ ਦੇ ਨਾਲ ਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਿਹਾਰਕ ਆਲੋਚਨਾ ਅਤੇ ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਬਾਰੇ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਕਲਾਸ:	ਐੱਮ.ਏ. ਪੰਜਾਬੀ ਸਮੈਸਟਰ ਪਹਿਲਾ

ਪਰਚਾ ਚੌਥਾ : ਲੋਕਧਾਰਾ ਅਤੇ ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲੋਕਧਾਰਾ ਬਾਰੇ ਗਿਆਨ ਮੁਹੱਈਆ ਕਰਵਾਉਣਾ।ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਦੀ ਦੂਸਰੇ ਸਭਿਆਚਾਰਾਂ ਦੀ ਲੋਕਧਾਰਾ ਨਾਲ ਸਾਂਝ, ਵਖਰੇਵੇ ਅਤੇ ਉਤੱਮਤਾ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣੀ। ਸਮਾਜ ਅਤੇ ਸਭਿਆਚਾਰ ਤੇ ਲੋਕਧਾਰਾ ਦੀ ਆਪਸੀ ਸਾਂਝ ਅਤੇ ਪ੍ਰਭਾਵ, ਲੋਕਧਾਰਾ ਦੀ ਪ੍ਰਕਿਰਤੀ, ਸਥਾਨ, ਲੱਛਣ ਆਦਿ ਬਾਰੇ ਵਿਸਤਰਿਤ ਚਰਚਾ ਕਰਨੀ।ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਬੌਧਿਕ, ਵਿਦਿਅਕ ਅਤੇ ਸਰਵ-ਪੱਖੀ ਸ਼ਖ਼ਸੀਅਤ ਨੂੰ ਨਿਖਾਰਨਾ ਤੇ ਉਭਾਰਨਾ।ਵਿਦਿਆ ਦਾ ਮਕਸਦ ਸਮਝਾਉਣਾ ਚੰਗੀਆਂ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਪੜਣ ਲਈ ਪ੍ਰੇਰਨਾ ਤਾਂ ਕਿ ਉਹ ਚੰਗੀ ਜੀਵਨ-ਜਾਂਚ ਸਿਖ ਸਕਣ ਅਤੇ ਸਮਾਜਿਕ ਜਿੰਮੇਵਾਰੀਆਂ ਨਿਭਾਉਣ ਦੇ ਅਨੁਕੂਲ ਹੋ ਜਾਣ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਵਿਦਿਆਰਥੀ ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਸੈਮੀਨਾਰ ਲੈਕਚਰ ਵਿਚ ਬੱਚਿਆਂ ਤੋਂ ਸੈਮੀਨਾਰ ਲੈਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਲਾਇਬਰੇਰੀ ਅਤੇ ਪੁਸਤਕਾਂ ਪ੍ਰਤੀ ਜਗਿਆਸਾ ਪੈਦਾ ਕਰਨੀ।
- ਸਹਾਇਕ ਮਿਆਰੀ ਅਤੇ ਸਾਹਿਤਕ ਪੁਸਤਕਾਂ ਦਾ ਬਿਊਰਾ ਦੇਣਾ।
- ਕਿਰਤ ਦੇ ਸਰਬ–ਪੱਖੀ ਪ੍ਰਸੰਗਾਂ ਉੱਪਰ ਵਿਚਾਰ–ਚਰਚਾ ਕਰਵਾਉਣੀ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਮਾਜਿਕ ਸਮਝ ਵਧੇਗੀ।
- ਅਸਲੀਅਤ ਤੋਂ ਵਾਕਿਫ ਹੋ ਸਕਣਗੇ।
- ਲੋਕਧਾਰਾ ਦੇ ਸਰਵਪੱਖੀ ਪਸਾਰਾ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਆਧੁਨਿਕਤਾ ਅਤੇ ਪੁਰਾਤਨਤਾ ਦੇ ਪੱਖਾਂ ਨੂੰ ਘੋਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

<u>ਅਮਲੀ ਹੁਨਰ (Practical skill)</u> :

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਸੀ ਵਿਚਾਰ-ਚਰਚਾ ਨੂੰ ਉਤਸ਼ਾਹਿਤ ਕਰਨਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਲਿਖਤੀ ਅਤੇ ਮੌਖਿਕ ਟੈਸਟ ਲੈਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਖੁਦ ਨੋਟਿਸ ਤਿਆਰ ਕਰਵਾਉਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੈਮੀਨਾਰ, ਕਾਨਫਰੰਸ ਅਤੇ ਵਿਸ਼ੇਸ਼ ਭਾਸ਼ਣਾਂ ਦੀ ਅਹਿਮੀਅਤ ਸਮਝਾਉਣੀ ਅਤੇ ਇਨ੍ਹਾ ਵਿਚ ਸ਼ਮੂਲੀਅਤ ਕਰਵਾਉਣੀ।
- ਯੂ.ਜੀ.ਸੀ. ਅਤੇ ਹੋਰ ਟੈਸਟਾਂ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣੀ ਅਤੇ ਤਿਆਰੀ ਕਰਵਾਉਣੀ।
- ਵਿਦਿਆ ਦੇ ਸਹੀ ਅਰਥ ਸਮਝਾਉਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਤਮ-ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨਾ।
- ਚਲੰਤ ਮਾਮਲਿਆਂ ਅਤੇ ਹਲਾਤਾਂ ਉਪਰ ਵਿਚਾਰ-ਚਰਚਾ ਕਰਨੀ।

ਕੋਰਸ ਦਾ ਨਾਮ:	ਐਮ.ਏ. ਪੰਜਾਬੀ
ਪਰਚਾ:	ਤੁਲਨਾਤਮਕ ਭਾਰਤੀ ਸਾਹਿਤ: ਸਿਧਾਂਤ ਤੇ ਵਿਹਾਰ
ਸਮੈਸਟਰ:	ਪਹਿਲਾ

Course Outcomes:

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਨਾਲ ਨਾਲ ਹੋਰਨਾਂ ਭਾਸ਼ਾਵਾਂ ਦੇ ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਣ ਦੀ ਰੁਚੀ ਪੈਦਾ ਕਰਨਾ।ਬਾਕੀ ਭਾਸ਼ਾਵਾਂ ਦੇ ਸਾਹਿਤ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸਾਹਿਤ ਦੇ ਨਾਲ ਤੁਲਨਾ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕਰਨਾ।

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

ਵਿਦਿਆਰਥੀ ਤਕਨੀਕੀ ਪੱਧਰ ਤੇ ਸਮਰੱਥ ਹੋਣਗੇ।

- ਤੁਲਨਾਤਮਕ ਸਾਹਿਤ ਵਰਤਮਾਨ ਸਮੇਂ ਵਿਚ ਸਾਹਿਤ ਦੇ ਖੇਤਰ ਵਿਚ ਅਹਿਮ ਰੋਲ ਨਿਭਾ ਰਿਹਾ ਹੈ। ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਹਰ ਖੇਤਰ ਵਿਚ ਆਪਣੇ ਕਾਰਜ ਸਫਲਤਾ ਪੂਰਵਕ ਕਰ ਸਕਣਗੇ।
- ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਵਿਦਿਆਰਥੀ ਬਹੁਪੱਖੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਕਰਕੇ ਖੁਦ ਨੂੰ ਹਰ ਪੱਖੋਂ ਸਮਰੱਥ ਬਣਾ ਸਕਦੇ ਹਨ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਬੌਧਿਕ ਵਿਕਾਸ ਹੋਵੇਗਾ।
- 2. ਤੁਲਨਾਤਮਕ ਸਾਹਿਤ ਦੇ ਜਰੀਏ ਉਹ ਬਾਕੀ ਭਾਸ਼ਾਵਾਂ ਦੇ ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਣਗੇ ਅਤੇ ਸਮਝਗੇ ਅਤੇ ਭਵਿੱਖ ਵਿਚ ਇਸ ਦੀ ਸੁਚੱਜੇ ਢੰਗ ਨਾਲ ਵਰਤੋਂ ਕਰ ਸਕਣਗੇ।
- ਤੁਲਨਾਤਮਕ ਸਾਹਿਤ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਗਿਆਨ ਸ੍ਰੋਤਾਂ ਦਾ ਦਾਇਰਾ ਹੋਰ ਵਿਸ਼ਾਲ ਹੋਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical skill)

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀ ਦੀ ਬਹੁਪੱਖੀ ਸਖਸ਼ੀਅਤ ਨੂੰ ਉਘੇੜਣ ਤੇ ਨਿਖਾਰਨ ਵਿਚ ਸਹਿਯੋਗ ਦੇਵੇਗਾ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਅਜੋਕੇ ਯੁੱਗ ਦੀ ਮੰਗ ਹੈ। ਅੱਜ ਦਾ ਸਮਾਜ ਪੂੰਜੀਵਾਦੀ ਸੋਚ ਰੋਖਣ ਕਰਕੇ ਵਿਸ਼ਵ ਇੱਕ ਮੰਡੀ ਦਾ ਰੂਪ ਧਾਰ ਚੁੱਕਿਆ ਹੈ ਅਤੇ ਕੋਰਸ ਦਾ ਨਾਮ:ਭਗਤਬਾਈ

ਕਲਾ**ਸ**:ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ:ਦੂਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼:

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰਭਗਤਬਾਈ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।ਇਸਕੋਰਸਵਿਚਕਾਵਿਅਤੇਧਾਰਮਿਕਕਾਵਿ, ਭਗਤੀਸਾਹਿਤ, ਭਗਤੀਸਾਹਿਤਦੀਭਾਰਤੀਸਭਿਆਚਾਰਨੂੰਦੇਣਸੰਬੰਧੀਵਿਦਿਆਰਥੀਨੂੰਜਾਣਕਾਰੀਪ੍ਰਦਾਨਕਰਨਾਹੈ। ਇਸਕੋਰਸਵਿਚਭਗਤਨਾਮਦੇਵ, ਭਗਤਕਬੀਰਅਤੇਭਗਤਨਾਮਦੇਵਦੇਜੀਵਨਬਾਰੇਜਾਣਕਾਰੀਦੇਣਦੇਨਾਲ-

ਨਾਲਉਨ੍ਹਾਂਦੇਜੀਵਨਅਤੇਦਰਸ਼ਨਸੰਬੰਧੀਜਾਣਕਾਰੀਪ੍ਰਦਾਨਕਰਨਾਹੈ।

Course outcomes:

<u>ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:</u>

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਭਗਤਬਾਣੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਜਾਣਗੇ
- ਇਸਕੋਰਸਨਾਲਵਿਦਿਆਰਥੀਭਗਤੀਸਾਹਿਤਦੀਭਾਰਤੀਸਭਿਆਚਾਰਨੂੰਦੇਣਬਾਰੇਸਮਝਸਕਣ ਗੇ।
- ਇਸਕੋਰਸਨਾਲਵਿਦਿਆਰਥੀਭਗਤਕਬੀਰ, ਭਗਤ ਨਾਮ ਦੇਵ ਅਤੇ ਭਗਤ ਰਵੀਦਾਸ ਦੇ ਦਰਸ਼ਨ ਨੂੰ ਸਮਝ ਸਕਣਗੇ।
- ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਭਗਤ ਬਾਣੀ ਪਤ੍ਹਨ ਅਤੇ ਅਧਿਐਨਦੀ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੈਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਭਗਤਬਾਣੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਭਗਤੀਸਾਹਿਤਦੀਭਾਰਤੀਸਭਿਆਚਾਰਨੂੰਦੇਣਬਾਰੇਸਮਝਸਕਣਦੇਯੋਗਹੋ ਜਾਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਭਗਤ ਕਬੀਰ , ਭਗਤ ਨਾਮ ਦੇਵ ਅਤੇ ਭਗਤ ਰਵੀਦਾਸ ਦੇ ਦਰਸ਼ਨ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥਹੋਜਾਣਗੇ।

হিতাৰৰ তুমন্তৰ(Practical skill):

- ਕਾਵਿਅਤੇ ਧਾਰਮਿਕਕਾਵਿ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 2. ਭਗਤਬਾਈਚਿੰਤਨ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਖੋਜ -ਪੱਤਰਲਿਖਣਦੀਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- ਵਿਦਿਆਰਥੀ ਭਗਤਬਾਣੀਸੰਬੰਧੀਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- 2. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 3. ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਪੇਪਰ ਦਾ ਨਾਮ: ਕਿੱਸਾ ਕਾਵਿ

ਪ੍ਰੋਗਰਾਮ: ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ: ਦੂਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕਿੱਸਾ ਅਤੇ ਪੰਜਾਬੀ ਕਿੱਸਾ ਕਾਵਿ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- 4. ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਿੱਸਾ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 5. ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਵਾਰਸ ਦੀ ਹੀਰ, ਚੰਡੀ ਦੀ ਵਾਰ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 6. ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੈਂਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਕਿੱਸਾ ਪਦ ਦੀ ਵਿਉਤਪਤੀ ਤੇ ਭਾਵਾਰਥ ਜਾਣਨ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਪੰਜਾਬੀ ਕਿੱਸਾ ਕਾਵਿ ਅਤੇ ਬੀਰ ਕਾਵਿ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

 ਵਿਦਿਆਰਥੀ ਵਾਰਸ ਦੀ ਹੀਰ, ਚੰਡੀ ਦੀ ਵਾਰ ਦਾ ਅਧਿਐਨ ਅਤੇ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰ ਸਕਣਗੇ।

<u> ਵਿਹਾਰਕ ਹੁਨਰ(Practical skill):</u>

- 11. ਕਿੱਸਾ ਕਾਵਿ ਦੀ ਉਤਪਤੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 12.ਸਾਹਿਤ ਖੋਜ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- 13.ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- 14.ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਕਿੱਸਾ ਕਾਵਿ ਅਤੇ ਬੀਰ ਕਾਵਿ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- ਵਿਦਿਆਰਥੀ ਕਿੱਸਾ ਕਾਵਿ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ:ਖੋਜ ਅਤੇ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਕਲਾਸ:ਐਮ.ਏ ਪੰਜਾਬੀ ਸਮੈਸਟਰ:ਦੂਜਾ <u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਖੋਜ ਅਤੇ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਖੋਜ ਅਤੇ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਦੇ ਸਰੂਪ ਅਤੇ ਪ੍ਰਕਿਰਤੀ ਬਾਰੇ ਗਿਆਨ ਕਰਵਾਉਂਦੇ ਹੋਏ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਦਾ ਆਰੰਭ ਅਤੇ ਨਵੀਨ ਸੰਭਾਵਨਾਵਾਂ , ਮਾਰਕਸਵਾਦੀ ਆਲੋਚਨਾ , ਸੰਰਚਨਾਵਾਦੀ ਆਲੋਚਨਾ , ਰੂਪਵਾਦੀ ਆਲੋਚਨਾ ਅਤੇ ਪੰਜਾਬੀ ਪ੍ਰਗਤੀਵਾਦੀ -ਮਾਰਕਸਵਾਦੀ ਆਲੋਚਨਾ, ਪੰਜਾਬੀ ਰੂਪਵਾਦੀ ਆਲੋਚਨਾ ਅਤੇ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਦੇ ਵਰਤਮਾਨ ਰੁਝਾਨਾਂ ਤੋਂ ਜਾਣੂ ਕਰਵਾਉਣਾ। ਇਸ ਦੇ ਨਾਲ ਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਆਲੋਚਕ ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਹਰਿਭਜਨ ਸਿੰਘ, ਅਤਰ ਸਿੰਘ ਅਤੇ ਜੋਗਿੰਦਰ ਰਾਹੀ ਦੁਆਰਾ ਕੀਤੇ ਗਏ ਚੋਣਵੇਂ ਅਧਿਐਨ ਕਾਰਜ ਬਾਰੇ ਗਿਆਨ ਦੇਣਾ ਹੈ।

Course outcomes:

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਖੋਜ ਦੀ ਪ੍ਰਕਿਰਤੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ
- ਖੋਜ ਅਤੇ ਖੋਜ ਵਿਧੀ, ਖੋਜ ਸੰਦਾਂ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਆਲੋਚਨਾ ਅਤੇ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਬਾਰੇ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਖੋਜ ਅਤੇ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੈਂਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਖੋਜ ਪਦ ਦੀ ਵਿਉਤਪਤੀ ਤੇ ਭਾਵਾਰਥ ਜਾਣਨ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਖੋਜ ਦੇ ਆਰੰਭ ਅਤੇ ਨਵੀਨ ਸੰਭਾਵਨਾਵਾਂ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋ ਜਾਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਮਾਰਕਸਵਾਦੀ ਆਲੋਚਨਾ, ਰੂਪਵਾਦੀ ਆਲੋਚਨਾ, ਵਿਹਾਰਿਕ ਆਲੋਚਨਾ ਅਤੇ ਸੰਰਚਨਾਵਾਦੀ ਆਲੋਚਨਾ ਦੀਆਂ ਮਦਾਂ ਦਾ ਅਧਿਐਨ ਅਤੇ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰ ਸਕਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਅਤਰ ਸਿੰਘ, ਹਰਿਭਜਨ ਸਿੰਘ, ਡਾ. ਜੋਗਿੰਦਰ ਸਿੰਘ ਰਾਹੀ ਦੀਆਂ ਆਲੋਚਨਾਤਮਿਕ ਜੁਗਤਾਂ ਨੂੰ ਨਿਖੇੜਨ ਦੇ ਯੋਗ ਹੋਣਗੇ।

<u> ਵਿਹਾਰਕ ਹੁਨਰ(Practical skill):</u>

- 5. ਖੋਜ ਪਦ ਅਤੇ ਖੋਜ ਵਿਧੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 6. ਸਾਹਿਤ ਖੋਜ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- 7. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- 8. ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਆਲੋਚਨਾ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

- 4. ਵਿਦਿਆਰਥੀ ਖੋਜ ਅਤੇ ਖੋਜ ਵਿਧੀ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- 5. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 6. ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਿਲ ਹੋਣਗੇ।

ਕਲਾਸ: ਐੱਮ.ਏ. ਪੰਜਾਬੀ ਸਮੈਸਟਰ ਦੂਜਾ

ਪਰਚਾ ਨੈਵਾਂ : ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਭਿਆਚਾਰ ਬਾਰੇ ਗਿਆਨ ਮੁਹੱਈਆ ਕਰਵਾਉਣਾ।ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀ ਦੁਸਰੇ ਸਭਿਆਚਾਰਾਂ ਨਾਲ ਸਾਂਝ, ਵਖਰੇਵੇ ਅਤੇ ਉਤੱਮਤਾ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣੀ। ਸਮਾਜ ਅਤੇ ਸਭਿਆਚਾਰ ਦੀ ਆਪਸੀ ਸਾਂਝ ਅਤੇ ਪ੍ਰਭਾਵ, ਸਭਿਆਚਾਰ ਦੀ ਪ੍ਰਕਿਰਤੀ, ਸਥਾਨ, ਲੱਛਣ ਆਦਿ ਬਾਰੇ ਵਿਸਤਰਿਤ ਚਰਚਾ ਕਰਨੀ।ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਬੌਧਿਕ, ਵਿਦਿਅਕ ਅਤੇ ਸਰਵ-ਪੱਖੀ ਸ਼ਖ਼ਸੀਅਤ ਨੂੰ ਨਿਖਾਰਨਾ ਤੇ ਉਭਾਰਨਾ।ਵਿਦਿਆ ਦਾ ਮਕਸਦ ਸਮਝਾਉਣਾ ਚੰਗੀਆਂ ਸਾਹਿਤਕ ਕਿਰਤਾਂ ਪੜਣ ਲਈ ਪ੍ਰੇਰਨਾ ਤਾਂ ਕਿ ਉਹ ਚੰਗੀ ਜੀਵਨ-ਜਾਂਚ ਸਿਖ ਸਕਣ ਅਤੇ ਸਮਾਜਿਕ ਜਿੰਮੇਵਾਰੀਆਂ ਨਿਭਾਉਣ ਦੇ ਅਨੁਕੁਲ ਹੋ ਸਕਣ।

ਅਧਿਆਪਨ ਦੇ ਢੰਗ:

- 1. ਲੈਕਚਰ : ਇੱਕ ਹਫ਼ਤੇ ਵਿਚ ਛੇ
- 2. ਸੈਮੀਨਾਰ : ਇੱਕ ਹਫ਼ਤੇ ਵਿਚ ਦੋ
- ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋਂ ਪਰਚਾ ਲਿਖਵਾਉਣਾ:- ਇਸ ਕਾਰਜ ਲਈ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵੱਖ-ਵੱਖ ਕਿਤਾਬਾਂ ਪੜ੍ਹਨ ਲਈ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਆਧਾਰ ਤੇ ਵੱਖ-ਵੱਖ ਪਰਚੇ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਿਸ਼ੇਸ਼ ਵਿਸ਼ੇ ਤੇ ਬੋਲਣ/ਸਮਝਾਉਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।
- 5. ਸਹਾਇਕ ਸਮੱਗਰੀ ਵਿਚ ਬੋਰਡ ਦੇ ਨਾਲ-ਨਾਲ ਚਾਰਟ ਵੀ ਵਰਤੇ ਜਾਣਗੇ।
- ਕਿਰਤ ਦੇ ਪ੍ਰਸੰਗਾਂ ਨੂੰ ਚਲੰਤ ਸਮੇਂ ਦੀਆਂ ਉਦਾਹਰਨਾਂ ਰਾਹੀਂ ਸਮਝਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨਾਲ ਪ੍ਰਸ਼ਨੋਤਰੀ ਵਾਰਤਾਲਾਪ ਰਚਾਉਣਾ।
- 8. ਵਿਚਾਰ-ਚਰਚਾ ਵਿਚ ਸਮੂਹ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਭਾਗੀਦਾਰੀ ਕਰਵਾਉਣੀ।

9. ਸਹਾਇਕ ਈ.ਰੀਸੋਰਸ ਮੁਹੱਈਆ ਕਰਵਾਉਣੇ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਵਿਦਿਆਰਥੀ ਬੌਧਿਕ ਪੱਧਰ ਤੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਸੈਮੀਨਾਰ ਲੈਕਚਰ ਵਿਚ ਬੱਚਿਆਂ ਤੋਂ ਸੈਮੀਨਾਰ ਲੈਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਲਾਇਬਰੇਰੀ ਅਤੇ ਪੁਸਤਕਾਂ ਪ੍ਰਤੀ ਜਗਿਆਸਾ ਪੈਦਾ ਕਰਨੀ।
- ਸਹਾਇਕ ਮਿਆਰੀ ਅਤੇ ਸਾਹਿਤਕ ਪੁਸਤਕਾਂ ਦਾ ਬਿਊਰਾ ਦੇਣਾ।
- ਕਿਰਤ ਦੇ ਸਰਬ-ਪੱਖੀ ਪ੍ਰਸੰਗਾਂ ਉੱਪਰ ਵਿਚਾਰ-ਚਰਚਾ ਕਰਵਾਉਣੀ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਮਾਜਿਕ ਸਮਝ ਵਧੇਗੀ।
- ਅਸਲੀਅਤ ਤੋਂ ਵਾਕਿਫ ਹੋ ਸਕਣਗੇ।
- ਸਭਿਆਚਾਰ ਦੇ ਸਰਵਪੱਖੀ ਪਸਾਰਾ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਆਧੁਨਿਕਤਾ ਅਤੇ ਪੁਰਾਤਨਤਾ ਦੇ ਪੱਖਾਂ ਨੂੰ ਘੋਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

ਅਮਲੀ ਹੁਨਚ (Practical skill)

- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਪਸੀ ਵਿਚਾਰ-ਚਰਚਾ ਨੂੰ ਉਤਸ਼ਾਹਿਤ ਕਰਨਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਲਿਖਤੀ ਅਤੇ ਮੌਖਿਕ ਟੈਸਟ ਲੈਣੇ।
- ਗਾਇਡਾਂ ਵਗੈਰਾ ਦੇ ਦੁਸ਼ ਪ੍ਰਭਾਵ ਸਮਝਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਤੋਂ ਖੁਦ ਨੋਟਿਸ ਤਿਆਰ ਕਰਵਾਉਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੈਮੀਨਾਰ, ਕਾਨਫਰੰਸ ਅਤੇ ਵਿਸ਼ੇਸ਼ ਭਾਸ਼ਣਾਂ ਦੀ ਅਹਿਮੀਅਤ ਸਮਝਾਉਣੀ ਅਤੇ ਇਨ੍ਹਾ ਵਿਚ ਸ਼ਮੂਲੀਅਤ ਕਰਵਾਉਣੀ।
- ਯੂ.ਜੀ.ਸੀ. ਅਤੇ ਹੋਰ ਟੈਸਟਾਂ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣੀ ਅਤੇ ਤਿਆਰੀ ਕਰਵਾਉਣੀ।
- ਵਿਦਿਆ ਦੇ ਸਹੀ ਅਰਥ ਸਮਝਾਉਣੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਤਮ-ਵਿਸ਼ਵਾਸ ਪੈਦਾ ਕਰਨਾ।
- ਚਲੰਤ ਸਮੇਂ ਅਤੇ ਹਲਾਤਾਂ ਉਪਰ ਵਿਚਾਰ-ਚਰਚਾ ਕਰਨੀ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਕੰਪਿਊਟਰ ਐਪਲੀਕੇਸ਼ਨ ਪ੍ਰੋਗਰਾਮ: ਐਮ.ਏ. ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਦੁਜਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤਕ ਗਿਆਨ ਦੇ ਨਾਲ-ਨਾਲ ਤਕਨੀਕੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕੰਪਿਊਟਰ ਅਤੇ ਇੰਟਰਨੈੱਟ ਦੀਆਂ ਵਿਸ਼ੇਸਤਾਵਾਂ, ਪ੍ਰਕਿਰਤੀ ਅਤੇ ਵਰਤੋਂ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।

<u>ਕੋਰਸ ਵਿਚਲੀ ਵਿਸ਼ੈ-ਸੂਚੀ</u> : ਚੌਥੇ ਸਮੈਸਟਰ ਵਿਚ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਅਨੁਸਾਰ ਕੰਪਿਊਟਰ ਸੰਬੰਧੀ ਮੁਢਲੀ ਜਾਣਕਾਰੀ ਦਿੰਦੇ ਹੋਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਚ ਕੰਪਿਊਟਰ ਦੀ ਮਹੱਤਤਾ, ਪੰਜਾਬੀ ਫੌਟ, ਤਕਨਾਲੋਜੀ, ਕੀ-ਬੋਰਡ ਲੇਆਉਟ, ਕੰਪਿਊਟਰੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ, ਈ-ਪੁਸਤਕਾਂ,ਈ-ਅਖਬਾਰਾਂ, ਵਿਕੀਪੀਡਿਆ,ਆਨਲਾਈਨ ਸ਼ਬਦ ਕੋਸ਼, ਪੰਜਾਬੀ ਪੀਡਿਆ ਆਦਿ ਸੰਬੰਧੀ ਪੜ੍ਹਾਇਆ ਜਾਵੇਗਾ।

ਪਾਠਕ੍ਰਮ ਦੀ ਵਿਸਥਾਰਿਤ ਜਾਣਕਾਰੀ : ਪਾਠਕ੍ਰਮ ਦੀ ਸਮੁੱਚੀ ਜਾਣਕਾਰੀ ਯੂਨੀਵਰਸਿਟੀ ਦੀ ਵੈੱਬਸਾਈਟ <u>www.gndu.ac.in</u> ਤੇ ਉਪਲਬਧ ਹੈ।

ਪੜ੍ਹਾਉਣ ਦੇ ਤਰੀਕੇ/ਢੰਗ :

10. ਲੈਕਚਰ : ਇੱਕ ਹਫ਼ਤੇ ਵਿਚ ਛੇ

- 11. ਸੈਮੀਨਾਰ : ਇੱਕ ਹਫ਼ਤੇ ਵਿਚ ਦੋ
- 12. ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋਂ ਪਰਚਾ ਲਿਖਵਾਉਣਾ:- ਇਸ ਕਾਰਜ ਲਈ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵੱਖ-ਵੱਖ ਕਿਤਾਬਾਂ ਪੜ੍ਹਨ ਲਈ ਅਤੇ ਉਨ੍ਹਾਂ ਦੇ ਆਧਾਰ ਤੇ ਵੱਖ-ਵੱਖ ਪਰਚੇ ਲਿਖਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।
- 13. ਲੋੜ ਅਨੁਸਾਰ ਕੰਪਿਊਟਰ ਦੀ ਵਰਤੋਂ ਕੀਤੀ ਜਾਵੇਗੀ
- 14. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਿਸ਼ੇਸ਼ ਵਿਸ਼ੇ ਤੇ ਬੋਲਣ/ਸਮਝਾਉਣ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ।
- 15. ਸਹਾਇਕ ਸਮੱਗਰੀ ਵਿਚ ਬੋਰਡ ਦੇ ਨਾਲ-ਨਾਲ ਚਾਰਟ ਵੀ ਵਰਤੇ ਜਾਣਗੇ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਵਿਦਿਆਰਥੀ ਤਕਨੀਕੀ ਪੱਧਰ ਤੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਕੰਪਿਊਟਰ ਵਰਤਮਾਨ ਸਮੇਂ ਵਿਚ ਹਰ ਖੇਤਰ ਵਿਚ ਅਹਿਮ ਰੋਲ ਨਿਭਾ ਰਿਹਾ ਹੈ। ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਹਰ ਖੇਤਰ ਵਿਚ ਆਪਣੇ ਕਾਰਜ ਸਫਲਤਾ ਪੁਰਵਕ ਕਰ ਸਕਣਗੇ।
- ਵਰਤਮਾਨ ਸਮੇਂ ਵਿਚ ਇੰਟਰਨੈਟ ਸਭ ਤੋਂ ਪ੍ਰਮੁੱਖ ਗਿਆਨ ਦਾ ਸ਼੍ਰੋਤ ਹੈ। ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਵਿਦਿਆਰਥੀ ਬਹੁਪੱਖੀ ਗਿਆਨ ਪ੍ਰਾਪਤ ਕਰਕੇ ਖੁਦ ਨੂੰ ਹਰ ਪੱਖੋਂ ਸਮਰੱਥ ਬਣਾ ਸਕਦੇ ਹਨ।
- ਕੰਪਿਊਟਰ ਅਤੇ ਇੰਟਰਨੈੱਟ ਨਾਲ ਵਿਦਿਆਰਥੀ ਅੰਤਰ-ਰਾਸ਼ਟਰੀ ਅਤੇ ਸਰਵ-ਪੱਖੀ ਵਿਕਾਸ ਕਰਕੇ ਆਪਣੇ ਦਾਇਰੇ ਨੂੰ ਹੋਰ ਵਿਸ਼ਾਲ ਕਰ ਸਕਣਗੇ।
- ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਕਾਰ-ਵਿਹਾਰ ਵਿਚ ਤੇਜ਼ੀ ਆਵੇਗੀ।

ਬੌਧਿਕ ਹੁਨਰ:

- 4. ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਤਕਨੀਕੀ ਪੱਖ ਤੋਂ ਬੌਧਿਕ ਵਿਕਾਸ ਹੋਵੇਗਾ।
- 5. ਕੰਪਿਊਟਰ ਦੇ ਜਰੀਏ ਉਹ ਨਵੀਂ ਤਕਨੀਕ ਨੂੰ ਸਮਝਣਗੇ ਅਤੇ ਭਵਿੱਖ ਵਿਚ ਇਸ ਦੀ ਸੁਚੱਜੇ ਢੰਗ ਨਾਲ ਵਰਤੋਂ ਕਰ ਸਕਣਗੇ।

 ਇੰਟਰਨੈੱਟ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਗਿਆਨ ਸ਼੍ਰੋਤਾਂ ਦਾ ਦਾਇਰਾ ਹੋਰ ਵਧੇਰੇ ਵਿਸ਼ਾਲ ਹੋਵੇਗਾ।

ਅਮਲੀ ਹੁਨਚ (Practical skill)

- ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਪ੍ਰਾਪਤ ਕੀਤੇ ਗਿਆਨ ਨੂੰ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਖੇਤਰਾਂ ਵਿਚ ਲਾਗੂ ਕਰ ਸਕਦੇ ਹਨ।
- 4. ਇਸ ਪ੍ਰੋਗਰਾਮ ਦੇ ਜਰੀਏ ਵਿਦਿਆਰਥੀ ਤਕਨਾਲੋਜੀ ਤੋਂ ਜਾਣੂ ਹੋਣਗੇ।
- ਇੰਟਰਨੈੱਟ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀ ਦੀ ਬਹੁਪੱਖੀ ਸਖਸ਼ੀਅਤ ਨੂੰ ਉਘੇੜਣ ਤੇ ਨਿਖਾਰਨ ਵਿਚ ਸਹਿਯੋਗ ਦੇਵੇਗਾ।

*ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਪਾਠਕ੍ਰਮ ਯੋਜਨਾ ਅਤੇ ਲਾਗੂ ਕਰਨ ਸੰਬੰਧੀ ਵੇਰਵਾ

ਸ਼ੈਸਨ 2018–2019

ਕੋਰਸ ਦਾ ਨਾਮ – ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ (1960 ਤਕ)

ਪ੍ਰੋਗਰਾਮ	: ਐਮ.ਏ. ਪੰਜਾਬੀ
ਸਮੋਸਟਰ	: ਤੀਜਾ
ਕੋਰਸ ਦਾ ਉਦੇਸ਼	ਂ ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕਵਿਤਾ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਸਿਧਾਂਤ, ਇਤਿਹਾਸ ਤੇ ਪਵਿਰਤੀਆਂ ਬਾਰੇ

ਬੌਧਿਕ ਹੁਨਰ:

1. ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ ਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

ਕਾਵਿ ਗਿਆਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ ਦਾ ਵਿਭਿਨ ਨਜ਼ਰੀਏ ਤੋਂ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

ਵਿਸਥਾਰਪੁਰਵਕ ਜਾਣਕਾਰੀ ਦੇਣਾ।

3. ਕਵਿਤਾ ਦਾ ਇਤਿਹਾਸਿਕ ਅਧਿਅਨ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਸਹਾਈ ਹੋਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical Skill):

- 1. ਕਵਿਤਾ ਦੇ ਸਿਧਾਂਤਾਂ, ਤੱਤਾਂ ਨੂੰ ਡਾਇਆਗ੍ਰਾਮ ਦੇ ਜ਼ਰੀਏ ਵਿਸ਼ਲੇਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।
- 2. ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਕਾਵਿ−ਭਾਸ਼ਾ ਨੂੰ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

- 1. ਕਾਵਿ ਲਿਖਤ ਸਮੇਂ ਕਾਵਿ ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- 2. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 3. ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- 4. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।

ਪ੍ਰੋਗਰਾਮ: ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ: ਤੀਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਨਾਵਲ ਅਤੇ ਪੰਜਾਬੀ ਨਾਵਲ ਸਾਹਿਤ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ।

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 2. ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਚਿੱਟਾ ਲਹੂ, ਅਣਹੋਏ, ਮਾਤਲੋਕ ਨਾਵਲਾਂ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 3. ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

<u>ਬੈਂਧਿਕ ਹੁਨਰ:</u>

- ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਪਦ ਦੀ ਵਿਉਤਪਤੀ ਤੇ ਭਾਵਾਰਥ ਜਾਣਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਪੱਛਮੀ ਅਤੇ ਭਾਰਤੀ ਨਾਵਲ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਚਿੱਟਾ ਲਹੂ, ਅਣਹੋਏ, ਮਾਤਲੋਕ ਨਾਵਲਾਂ ਦਾ ਅਧਿਐਨ ਅਤੇ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰ ਸਕਣਗੇ।

হিতাতৰ ত্ৰমত(Practical skill):

- ਨਾਵਲ ਦੀ ਉਤਪਤੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- ਸਾਹਿਤਕ ਖੋਜ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਨਾਵਲੀ ਜੁਗਤਾਂ ਸਮਝਾ ਕੇ ਵਿਹਾਰਕ ਕਾਰਜ ਕਰਵਾਇਆ ਜਾਵੇਗਾ।
- ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਪੱਛਮੀ ਅਤੇ ਭਰਤੀ ਨਾਵਲ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਦੇ ਵਿਸ਼ੇ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਸੰਬੰਧੀ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਸਾਹਿਤ

ਕਲਾਸ: ਐਮ.ਏ.

ਤੀਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼</u> : ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪਾਕਿਸਤਾਨੀ ਸਮਾਜ ਅਤੇ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੱਤੀ ਜਾਵੇਗੀ।ਇਸ ਨਾਲ ਉਹ ਸਮਾਜ ਅਤੇ ਸਭਿਆਚਾਰ ਨੂੰ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝ ਸਕਣਗੇ।

Course Outcomes:

ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਵਿਚ ਪਾਕਿਸਤਾਨੀ ਕਵੀਆਂ ਬਾਰੇ ਜਾਨਣਗੇ।ਵਿਦਿਆਰਥੀ ਸਿਲੇਬਸ ਤੋਂ ਬਾਹਰ ਉਨ੍ਹਾਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਰੱਖਣਗੇ।ਭੁੱਬਲ ਨਾਵਲ ਪੜਣ ਨਾਲ ਪਾਕਿਸਤਾਨੀ ਸਮਾਜ ਬਾਰੇ ਹੋਰ ਜਾਣਕਾਰੀ ਵਧੇਗੀ।

• ਬੋਧਿਕ ਹੁਨਰ:

ਸਮੈਸਟਰ∶

ਵਿਦਿਆਰਥੀ ਪਾਕਿਸਤਾਨੀ ਸਮਾਜ ਬਾਰੇ ਜਾਣ ਕੇ ਭ੍ਰੰਮਿਤ ਜਾਣਕਾਰੀ ਤੋ ਦੂਰ ਰਹਿਣਗੇ। ਪਾਕਿਸਤਾਨੀ ਆਰਥਿਕ, ਸਮਾਜਿਕ, ਰਾਜਨੀਤਿਕ ਜਾਣਕਾਰੀ ਵਧਣ ਨਾਲ ਵਿਦਿਆਰਥੀਆ ਦਾ ਬੌਧਿਕ ਪੱਖ ਮਜਬੂਤ ਹੋਵੇਗਾ।ਸਾਹਿਤ ਸਭਿਆਚਾਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰਕੇ ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਇਤਿਹਾਸ ਨਾਲ ਜੁੜਿਆ ਮਹਿਸੂਸ ਕਰੇਗਾ।

ਅਮਲੀ ਹੁਨਰ:

ਕਵੀਆਂ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਨੂੰ ਵਿਦਿਆਰਥੀਆਂ ਕੋਲੋ ਹੀ ਪੜਾਇਆ ਜਾਵੇਗਾ ਤੇ ਕਵਿਤਾਵਾਂ ਵਾਂਗ ਪੜ੍ਹਣ ਲਈ ਦੱਸਿਆ ਜਾਵੇਗਾ ਨਾਵਲ ਨੂੰ ਪਾਤਰਾਂ ਵਿੱਚ ਵੰਡ ਕੇ ਪੜ੍ਹਿਆ ਜਾਵੇਗਾ।ਨਾਟਕ ਦੇ ਰਾਹੀ ਪਾਕਿਸਤਾਨੀ ਸਮਾਜ ਦੀ ਅਸਲ ਤਸਵੀਰ ਪੇਸ਼ ਕੀਤੀ ਜਾਵੇਗੀ।

ਵਿਸ਼ੇ ਨੂੰ ਵਿਹਾਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

ਨਾਟਕ ਤੇ ਨਾਵਲ ਦੇ ਵਿਸ਼ਿਆ ਨੂੰ ਸਧਾਰਨ ਮਨੁੱਖ ਦੇ ਨਾਲ ਜੋੜ ਕੇ ਸਮਝਾਇਆ ਜਾਵੇਗਾ। ਕਵਿਤਾਵਾਂ ਦੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਸੋਚਣ ਤੇ ਅਮਲ ਕਰਨ ਲਈ ਯਤਨ ਕੀਤੇ ਜਾਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(1850ਈ. ਤੱਕ)

ਕਲਾਸ: ਐਮ.ਏ ਪੰਜਾਬੀ

ਸਮੈਸਟਰ: ਤੀਜਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਇਸ ਕੋਰਸ ਵਿਚ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨ ਦੇ ਨਾਲ -ਨਾਲ ਗੁਰਮਤਿ ਸਾਹਿਤ ਅਤੇ ਸੂਫ਼ੀ ਸਾਹਿਤ , ਕਿੱਸਾ ਸਾਹਿਤ ਅਤੇ ਬੀਰ ਕਵਿ, ਅਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਅਧਿਐਨ ਕੀਤਾ ਜਾਵੇਗਾ।

Course outcomes:

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਭਗਤ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਸਾਹਿਤ ਅਤੇ ਸੂਫ਼ੀ ਸਾਹਿਤ, ਕਿੱਸਾ ਸਾਹਿਤ ਅਤੇ ਬੀਰ ਕਾਵਿ ਅਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਸਮਝ ਸਕਣਗੇ।
- ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਭਗਤ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦੇ ਅਧਿਐਨ ਦੀ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੇੰਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਸਾਹਿਤ ਅਤੇ ਸੂਫ਼ੀ ਸਾਹਿਤ, ਕਿੱਸਾ ਸਾਹਿਤ ਅਤੇ ਬੀਰ ਕਾਵਿ ਅਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਸਮਝ ਸਕਣ ਦੇ ਯੋਗ ਹੋ ਜਾਣਗੇ।

- 9. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- ਸਾਹਿਤ ਇਤਿਹਾਸਕਾਰੀ ਚਿੰਤਨ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- 11. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ <mark>ਸ</mark>ੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- 12.ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਖੋਜ -ਪੱਤਰ ਲਿਖਣ ਦੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- 7. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਸੰਬੰਧੀ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- 8. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਸੰਬੰਧੀ ਗਹਿਨ ਅਧਿਐਨ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 9. ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

ਕੋਰਸ ਦਾ ਨਾਮ - ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ (1960 ਤੋਂ ਬਾਦ)

ਪ੍ਰੋਗਰਾਮ	:	ਐਮ ਏ. ਪੰਜਾਬੀ
ਸਮੈਸਟਰ	:	ਚੇ ਬਾ
ਕੋਰਸ ਦਾ ਉਦੇਸ਼	:	ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕਵਿਤਾ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਸਿਧਾਂਤ, ਇਤਿਹਾਸ ਤੇ ਪ੍ਰਵਿਰਤੀਆਂ ਬਾਰੇ ਵਿਸਥਾਰਪੂਰਵਕ ਜਾਣਕਾਰੀ ਦੇਣਾ।

ਬੌਧਿਕ ਹੁਨਰ:

1. ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ ਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

2. ਕਾਵਿ ਗਿਆਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ ਦਾ ਵਿਭਿੰਨ ਨਜ਼ਰੀਏ ਤੋਂ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।

3. ਕਵਿਤਾ ਦਾ ਇਤਿਹਾਸਿਕ ਅਧਿਅਨ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਸਹਾਈ ਹੋਵੇਗਾ।

ਅਮਲੀ ਹੁਨਰ (Practical Skill):

- 1. ਕਵਿਤਾ ਦੇ ਸਿਧਾਂਤਾਂ, ਤੱਤਾਂ ਨੂੰ ਡਾਇਆਗ੍ਰਾਮ ਦੇ ਜ਼ਗੀਏ ਵਿਸ਼ਲੇਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਕਾਵਿ−ਭਾਸ਼ਾ ਨੂੰ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:

1. ਕਾਵਿ ਲਿਖਤ ਸਮੇਂ ਕਾਵਿ ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।

- 2. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 3. ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- 4. ਵਿਦਿਆਰਸ਼ੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।
- ਵਿਸ਼ਾ : ਪੰਜਾਬੀ ਨਿੱਕੀ ਕਹਾਣੀ
- ਕਲਾਸ : ਐਮ.ਏ.ਪੰਜਾਬੀ

ਸਮੈਸਟਰ: ਚੌਥਾ

ਪਾਠ ਯੋਜਨਾ: ਐਮ.ਏ. ਪੰਜਾਬੀ ਸਮੈਸਟਰ : ਚੌਥਾ

ਪਾਠਕ੍ਰਮ ਦਾ ਮੁੱਖ ਉਦੇਸ਼:

ਪਾਠ ਕ੍ਰਮ ਦਾ ਮੁੱਖ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਹਿੱਤਾ ਨੂੰ ਧਿਆਨ ਵਿਚ

ਰੱਖਦੇ ਹੋਏ ਉਹਨਾਂ ਨੂੰ ਕਹਾਣੀ ਅਤੇ ਪੰਜਾਬੀ ਕਹਾਣੀ ਦੇ ਸਿਧਾਂਤਕ ਤੇ ਵਿਹਾਰਕ ਸਰੂਪ ਤੋਂ ਜਾਣੂ ਕਵਾਉਣਾ ਹੈ ।ਇਸੇ ਤਰ੍ਹਾਂ ਕਹਾਣੀ ਦੇ ਅਧਿਐਨ ਤੇ ਮੁਲਾਂਕਣ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ ਹੈ ਤਾਂ ਜੋ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਅਲੋਚਨਾਤਮਕ ਸਮਝ ਵਿਚ ਵਾਧਾ ਹੋ ਸਕੇ ਅਤੇ ਉਹਨਾਂ ਦੀ ਸਖਸ਼ੀਅਤ ਦਾ ਸਰਵਪੱਖੀ ਵਿਕਾਸ ਕੀਤਾ ਜਾ ਸਕੇ ।

Course Outcomes

ਅਧਿਆਪਨ ਕੌਸ਼ਲ / ਹੁਨਰ :

ਅਧਿਆਪਨ ਕੌਸ਼ਲ ਦੇ ਤਹਿਤ ਇਕ ਤੋਂ ਵਧੇਰੇ ਕੌਸ਼ਲਾਂ ਦੀ ਵਰਤੋਂ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ।ਕਿਉ ਕਿ ਅਧਿਆਪਕ ਦਾ ਇਕ ਹੀ ਕੌਸ਼ਲ ਸਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਤੇ ਲਾਗੂ ਨਹੀਂ ਹੋ ਸਕਦਾ, ਇਸ ਲਈ ਸਭ ਤੋਂ ਪਹਿਲਾ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਜਾਣਕਾਰੀ ਅਤੇ ਸੂਝ ਉਤਪੰਨ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ।ਉਹਨਾਂ ਨੂੰ ਕਹਾਣੀ ਦੇ ਵੱਖਰੇ ਵੱਖਰੇ ਰੂਪਾਂ ਨੂੰ ਪਰਿਭਾਸ਼ਤ ਕਰਨ ਦਾ ਗਿਆਨ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ ।ਇਸ ਦੀ ਸਮਝ ਦਾ ਵਿਸਥਾਰ ਵਿਆਖਿਆਮਈ ਕੌਸ਼ਲ ਰਾਹੀਂ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ।ਜਿਸ ਤਹਿਤ ਵਿਦਿਆਰਥੀ ਕਹਾਣੀ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ ਬਾਰੇ ਅਤੇ ਹੋਰਨਾਂ ਸਾਹਿਤ ਰੂਪਾਂ ਨਾਲੋਂ ਇਸ ਦੀ ਵੱਖਰਤਾ ਤੇ ਸਮਾਨਤਾ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਦੇ ਹਨ ।

• ਵਿਸ਼ਲੇਸ਼ਣ ਤੇ ਬੌਧਿਕ ਗਿਆਨ ਕੌਸ਼ਲ:

ਇਸ ਅਧਿਐਨ ਕੌਸ਼ਲ ਰਾਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਦਿੱਤੀ ਗਈ ਜਾਣਕਾਰੀ ਤਹਿਤ ਉਸਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਕੇ ਉਹਨਾਂ ਦੇ ਬੌਧਿਕ ਗਿਆਨ ਨੂੰ ਪਰਖਿਆਂ ਜਾਂਦਾ ਹੈ ।ਜਿਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਹਾਣੀ ਦੇ ਵੱਖ-ਵੱਖ ਰੂਪਾਕਾਰਾਂ ਅਤੇ ਅਧਿਐਨ ਜੁਗਤਾਂ ਬਾਰੇ ਅਧਿਐਨ ਕਰਨ ਦਾ ਹੁਨਰ ਪ੍ਰਾਪਤ ਕਰਦੇ ਹਨ ।

ਪੜ੍ਹਾਏ ਗਏ ਵਿਸ਼ੇ ਦਾ ਮੁੜ–ਮੁਲਾਕਣ :

ਵਿਹਾਰਕ ਪੱਧਰ ਅਤੇ ਸਿਧਾਂਤਕ ਪੱਧਰ ਉਪਰ ਪ੍ਰਦਾਨ ਕੀਤੀ ਗਈ ਸਿਖਲਾਈ ਤਹਿਤ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਮੁੜ-ਮੁਲਾਂਕਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ।ਇਸ ਕੌਸ਼ਲ ਤਹਿਤ ਇਹ ਵਿਚਾਰਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਕਹਾਣੀ ਦੇ ਕਿਸ ਪੱਖ ਨੂੰ ਉਹਨਾਂ ਨੇ ਵਧੇਰੇ ਆਸਾਨੀ ਨਾਲ ਅਤੇ ਕਿਸ ਪੱਖ 'ਤੇ ਵਧੇਰੇ ਦਿੱਕਤਾਂ ਦਾ ਸਾਹਮਣਾ ਕਰਨਾ ਪਿਆ । ਸਮੱਸਿਆ ਦੇ ਸਮਾਧਾਨ ਲਈ ਵਿਸ਼ੇ ਨੂੰ ਵਾਧੁ ਸਮੇਂ ਤਹਿਤ ਵਿਚਾਰਿਆ ਜਾਂਦਾ ਹੈ ।

• ਰੂਪਾਂਤਰਨ ਕੌਸ਼ਲ:

ਉਪਰੋਕਤ ਕੌਸ਼ਲਾਂ ਵਿਚੋਂ ਵਿਸ਼ੇ 'ਤੇ ਉਚਿਤ ਰੂਪ ਵਿਚ ਲਾਗੂ ਨਾ ਹੋਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਇਨਾਂ ਦੀ ਥਾਂ ਤੇ ਵਿਚਾਰ ਚਰਚਾ ਦੇ ਅੰਤਰਗਤ ਵਿਦਿਆਰਥੀਆਂ 'ਤੇ ਫ਼ੋਕਸ ਕਰਦੇ ਹੋਏ ਉਹਨਾਂ ਦੇ ਅਨੁਸਾਰ ਅਧਿਆਪਨ ਕੌਸ਼ਲ ਨੂੰ ਬਦਲਿਆ ਵੀ ਜਾ ਸਕਦਾ ਹੈ ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਭਾਸ਼ਾ-ਵਿਗਿਆਨ

ਪ੍ਰੋਗਰਾਮ: ਐਮ.ਏ.ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਭਾਸ਼ਾ-ਵਿਗਿਆਨ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਦਾ ਬਾਕੀ ਵਿਗਿਆਨਾਂ ਨਾਲ ਸੰਬੰਧ ਉਜਾਗਰ ਕਰਨੇ ਅਤੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਮਾਨਵੀ ਭਾਸ਼ਾ ਸੀ ਪ੍ਰਕਿਰਤੀ , ਵਿਸ਼ੇਸਤਾਵਾਂ ਦੱਸਦਿਆਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ ਬਾਰੇ ਵਿਸਥਾਰ ਨਾਲ ਗਿਆਨ ਦੇਣਾ। ਭਾਸ਼ਾਈ ਧੁਨੀ ਤੋਂ ਲੈ ਕੇ ਵਾਕਾਤਮਕ ਬਣਤਰਾਂ ਤਕ ਹਰ ਜੁਜ ਦੇ ਨਿਯਮਾਂ ਦਾ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਗਿਆਨ ਦੇਣਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਇਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾਈ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਆਕਰਨਕ ਇਕਾਈਆਂ ਅਤੇ ਵਿਆਕਰਨਕ ਵਰਗਾਂ ਨਾਲ ਜੁੜੇ ਹੋਏ ਮੁੱਢਲੇ ਸੰਕਲਪਾਂ ਬਾਰੇ ਜਾਣਨਗੇ।
- ਅਰਥ-ਵਿਗਿਆਨ ਜ਼ਰੀਏ ਉਹ ਵਿਹਾਰਕ ਪੱਧਰ ਤੇ ਅਰਥਾਂ ਦੀਆਂ ਪਰਤਾਂ ਨੂੰ ਖੋਲਣ ਵਿਚ ਸਮਰੱਥ ਹੋਣਗੇ।
- 4. ਭਾਰਤੀ ਭਾਸ਼ਾਈ ਪਰਿਵਾਰਾਂ ਵਿਚ ਪੰਜਾਬੀ ਦਾ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਦੀ ਇਤਿਹਾਸਿਕਤਾ ਨਾਲ ਜਾਣੂ ਕਰਵਾਏਗਾ।
- 5. ਉਪ-ਭਾਸ਼ਾ-ਵਿਗਿਆਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਉਪ-ਭਾਸ਼ਾਵਾਂ ਨੂੰਵਿਗਿਆਨਕ ਨਜ਼ਰੀਏ ਨਾਲ ਪਰਖ ਸਕਣਗੇ।
- 6. ਆਰਥੇਗਰਾਫ਼ੀ ਪੜ੍ਹਦਿਆਂ ਵਿਦਿਆਰਥੀ ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੇ ਲਿਖਣ ਸਿਧਾਂਤ ਬਾਰੇ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨਗੇ।

ਬੌਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾਈ ਬਣਤਰਾਂ ਵਿਚ ਧੁਨੀ ਤੋਂ ਵਾਕ ਤਕ ਦੀਆਂ ਭਾਸ਼ਕ ਮਦਾਂ ਨੂੰ ਨਿਖੇੜਨ ਅਤੇ ਉਹਨਾਂ ਨੂੰ ਵਿਸ਼ਲੇਸ਼ਿਤ ਕਰ ਸਕਣਗੇ।
- ਭਾਸ਼ਾ-ਵਿਗਿਆਨ ਦੇ ਗਿਆਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦਾ ਵਿਗਿਆਨਕ ਨਜ਼ਰੀਏ ਤੋਂ ਅਧਿਐਨ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।
- ਤ. ਇਤਿਹਾਸਕ ਭਾਸ਼ਾ-ਵਿਗਿਆਨ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਨੂੰ ਸਥਾਪਿਤ ਕਰ ਸਕਣਗੇ।

ਅਮਲੀ ਹੁਨਚ (Practical skill) :

- ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀਆਂ ਧੁਨੀਆਂ ਨੂੰ ੀਫਅ (ੀਨਟੲਰਨੳਟੋਨਿੳਲ ਫਹੋਨੲਟਚਿ ਅਲਪਹੳਬੲਟ) ਵਿਚ ਅੰਕਿਤ ਕਰਨਾ ਸਿਖਾਉਣਾ।
- ਧੁਨੀਆਂ ਨੂੰ ਚਾਰਟ ਵਿਚ ਸਥਾਪਿਤ ਕਰਕੇ ਉਹਨਾਂ ਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ।
- 3. ਭਾਸ਼ਾਵਾਂ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਨੂੰ ਚਾਰਟ ਜ਼ਰੀਏ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 4. ਭਾਵੰਸ਼ਾਂ (Morphemes) ਨੂੰ ਡਾਇਆਗ੍ਰਾਮ ਵਿਚ ਸਥਾਪਿਤ ਕਰਕੇ ਉਹਨਾਂ ਦਾ ਵਰਗੀਕਰਨ ਸਿਖਾਇਆ ਜਾਏਗਾ।
- ਕੋਈ ਵੀ ਸਾਹਿਤਕ ਰਚਨਾ ਦੇ ਕੇ ਅਰਥ ਵਿਗਿਆਨਕ ਗਿਆਨ ਨਾਲ ਉਸ ਵਿਚਲੇ ਅਰਥਾਂ ਦੀਆਂ ਪਰਤਾਂ ਉਜਾਗਰ ਕਰਨ ਦਾ ਹੁਨਰ ਵਿਕਸਿਤ ਕੀਤਾ ਜਾਵੇਗਾ।

6.ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਭਾਸ਼ਾ ਨੂੰ ਵਿਵਹਾਰਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ :

- 1. ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਵਰਤਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਿਰਜਨਾਤਮਕ ਯੋਗਤਾਵਾਂ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਉਸਾਰਨ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

4. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸੰਚਾਰ ਕਰਨ ਦਾ ਹੁਨਰ ਪਰਿਪੱਕ ਹੋਵੇਗਾ।

ਕੋਰਸ ਦਾ ਨਾਮ: ਪੰਜਾਬੀ ਨਾਟਕ

ਪ੍ਰੋਗਰਾਮ: ਐਮ.ਏ. ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਚੌਥਾ

ਕੋਰਸ ਦੇ ਉਦੇਸ਼ : ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਨਾਟਕ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਨਾਟਕ ਦਾ ਸਾਹਿਤ ਦੇ ਦੂਜੇ ਰੂਪਾਂ ਨਾਲ ਸੰਬੰਧ ਉਜਾਗਰ ਕਰਨੇ ਅਤੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਨਾਟਕ ਦੀ ਪ੍ਰਕਿਰਤੀ , ਵਿਸ਼ੇਸਤਾਵਾਂ ਦੱਸਦਿਆਂ ਪੰਜਾਬੀ ਨਾਟਕ ਬਾਰੇ ਵਿਸਥਾਰ ਨਾਲ ਗਿਆਨ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਇਸ ਪ੍ਰੋਗਰਾਮ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ :

- ਇਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਨਾਟਕ ਦੀ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- 8. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਰੰਗਮੰਚ ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਵਧੇਗੀ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਨਾਟਕਾਂ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਦੀ ਪ੍ਰਵਿਰਤੀ ਪੈਂਦਾ ਹੋਵੇਗੀ।
- 10. ਨਾਟਕ ਨੂੰ ਸਮਝਣ ਤੋਂ ਬਾਅਦ ਸਧਾਰਨ ਦਰਸ਼ਕ ਤੋਂ ਚੇਤਨ ਦਰਸ਼ਕ ਦਾ ਸਫਰ ਤਹਿ ਕਰਨਗੇ।

ਅਮਲੀ ਹੁਨਰ (Practical skill) :

- 6. ਪੰਜਾਬੀ ਨਾਟਕ ਨੂੰ ਕਲਾਸ ਵਿਚ ਨਾਟਕ ਵਾਂਗ ਹੀ ਪੜ੍ਹਿਆ ਜਾਵੇਗਾ
- ਨਾਟਕ ਵਿਚਲੇ ਪਾਤਰ ਕਲਾਸ ਵਿਚੋਂ ਹੀ ਲਏ ਜਾਣਗੇ।
- 8. ਨਾਟਕ ਦੇ ਨਿਕਾਸ ਤੇ ਵਿਕਾਸ ਨੂੰ ਚਾਰਟ ਦੇ ਜਰੀਏ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।

*ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਪਰਖ ਲਈ ਉਹਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਨਾਟਕ ਲਿਖਣ ਦਾ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਪਾਠਕ੍ਰਮ ਯੋਜਨਾ ਅਤੇ ਲਾਗੂ ਕਰਨ ਸੰਬੰਧੀ ਵੇਰਵੇ

ਕੋਰਸ ਦਾ ਨਾਮ: ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(1850 ਤੋਂ ਹੁਣ ਤੱਕ) ਕਲਾਸ: ਐਮ.ਏ ਪੰਜਾਬੀ ਸਮੈਸਟਰ: ਚੈਥਾ

<u>ਕੋਰਸ ਦੇ ਉਦੇਸ਼:</u>

ਇਸ ਕੋਰਸ ਦਾ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਸੰਬੰਧੀ ਗਿਆਨ ਦੇਣਾ ਹੈ। ਇਸ ਕੋਰਸ ਵਿਚ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨ ਦੇ ਨਾਲ -ਨਾਲ ਕਵਿਤਾ,ਗਲਪ,ਨਾਟਕ ਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਅਧਿਐਨ ਕੀਤਾ ਜਾਵੇਗਾ।

Course outcomes:

ਇਸ ਕੋਰਸ ਨਾਲ ਹੋਣ ਵਾਲੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ:

- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਣਗੇ।
- ਇਸ ਕੋਰਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ,ਗਲਪ,ਨਾਟਕ ਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਸਮਝ ਸਕਣਗੇ।
- ਸਮੁੱਚੇ ਕੋਰਸ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦੇ ਅਧਿਐਨ ਦੀ ਆਲੋਚਨਾਤਮਿਕ ਦ੍ਰਿਸ਼ਟੀ ਵਿਕਸਿਤ ਹੋਵੇਗੀ।

ਬੇੰਧਿਕ ਹੁਨਰ:

- ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਕਵਿਤਾ,ਗਲਪ,ਨਾਟਕ ਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ।
- ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ,ਗਲਪ,ਨਾਟਕ ਤੇ ਵਾਰਤਕ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਸਮਝ ਸਕਣ ਦੇ ਯੋਗ ਹੋ ਜਾਣਗੇ।

<u> ਵਿਹਾਰਕ ਹੁਨਰ(Practical skill):</u>

- 13.ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਨੂੰ ਪੀ.ਪੀ.ਟੀ ਰਾਹੀਂ ਸਮਝਾਇਆ ਜਾਵੇਗਾ।
- 14.ਸਾਹਿਤ ਇਤਿਹਾਸਕਾਰੀ ਚਿੰਤਨ ਸੰਬੰਧੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।
- 15.ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਲੇਬਸ ਸੰਬੰਧੀ ਵੱਖ-ਵੱਖ ਵਿਸ਼ੇ ਦੇ ਕੇ ਲਿਖਤ ਕਾਰਜ ਦਿੱਤਾ ਜਾਵੇਗਾ।
- 16. ਸਮੂਹਿਕ ਵਿਚਾਰ ਵਟਾਂਦਰੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਖੋਜ -ਪੱਤਰ ਲਿਖਣ ਦੀ ਰੁਚੀ ਵਿਕਸਿਤ ਕੀਤੀ ਜਾਵੇਗੀ।

<u>ਵਿਵਹਰਿਕ ਪੱਧਰ ਤੇ ਵਰਤਣ ਦਾ ਹੁਨਰ:</u>

- 10. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਸੰਬੰਧੀ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।
- 11. ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ ਸੰਬੰਧੀ ਗਹਿਨ ਅਧਿਐਨ ਯੋਗਤਾਵਾਂ ਵਿਕਸਿਤ ਅਤੇ ਪਰਿਪੱਕ ਹੋਣਗੀਆਂ।
- 12.ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਉੱਪਰ ਖੋਜ-ਪੱਤਰ ਲਿਖਣ ਦੇ ਕਾਬਲ ਹੋਣਗੇ।

PG Diploma in Computer Application

PROGRAM OUTCOMES (PO)

PO1: It will equip the students with skills required for designing, developing applications in Information Technology.

PO2: Students will able to learn the latest trends in various subjects of computers & information technology.

PO3:The PG Diploma is aimed at graduates with a computing background and provides a detailed coverage of the key concepts and challenges in data and resource protection and computer software security.

PO4: To give hands on to students while developing real life IT application as part of the study.

PO5: To train graduate students in basic computer technology concepts and information technology applications.

PO6: Design and develop applications to analyze and solve all computer science related problems.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: To expose the students to open Source technologies so that they become familiar with it and can seek appropriate opportunity in trade and industry.

PSO2:Able to provide socially acceptable technical solutions to real world problems with the application of modern and appropriate programming techniques.

PSO3: Design applications for any desired needs with appropriate considerations for any specific need on societal and industrial aspects.

COURSE OUTCOMES

COURSE NAME: Paper-I PC Computing-I (MS Office) 2003CLASS – PGDCASEMESTER – I

Objectives of Course:

- Give students an in-depth understanding of why computers are essential components in business, education and society.
- Provide hands-on use of Microsoft Office applications Word, Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

- Understand the basic terminology of computers
- Understand the practical concepts of MS Word, MS Excel, MS PowerPoint, and MS Access.

COURSE NAME: Paper-II PC Computing-II (Professional DTP)CLASS – PGDCASEMESTER – I

Objectives:

Corel Draw and Photoshop are graphic based applications widely used for logo designing, brochure, pamphlet, product box pack, designing a visiting card designing and for various advertisements and editing jpeg and other image formats related to graphic designing. They are much admired owing to its usability. The course is in high demand for those who wish to make their career as Graphics Designer As the Demand of Graphics is increasing day by day in media, print, web etc., there are more prospects for job and self-employments too. There is a constant demand for the creative designers in domestic industry as we as industry abroad.

Outcomes:

- This course will equip participants with the basic knowledge of CorelDraw Graphics Suite.
- By the end of the course, students will be familiar with the CorelDraw workspace, tools, panels, basic techniques and gain an insight into the techniques of creating and manipulating vector (design) objects, shapes and color fills.
- They will also be able to work with artistic text for the creation of logos, labels and any other one page print design material.
- With the help of the tools, you can add a great degree of dimensional effect and richness to your drawings.

COURSE NAME: Paper-III Fundamentals of Computer & Operating SystemsCLASS – PGDCASEMESTER – I

Objectives:

- To introduce students with basic concepts of Operating System, its functions and services.
- Making the students understand and learn the basics of computer how to operate it.

• To make familiar with the part and function of computer, its types, how to use computer in our day to day life, its characteristics, its usage, Limitations and benefits etc.

Outcomes:

After studying this course, students should be able to:

- Appreciate the role of operating system as System software.
- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- understand the difference between an operating system and an application program, and what each is used for in a computer
- describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Use systems development, word-processing, spreadsheet, and presentation software to solve basic information systems problems.

COURSE NAME: Paper-IV Database Management System through Oracle-10g & System Analysis & Design

CLASS – PGDCA SEMESTER – I

Objectives of the Course:

- It aims at acquainting students better with the basics of DBMS, different Architectural Models for DBMS, Normalization of data, Concurrency control problems and its management, Protection, Security and recovery aspects of databases along with practical knowledges of databases using SQL and PL/SQL.
- The key goal is to prepare students for a professional career in the field of data administration and database design.
- To get acquaint students with good knowledge of DBMS. During the course, students will learn about database design and database handling activities.
- Learn how to identify an organization's information processing requirements.
- Learn how to develop a detailed specification for an information system that can fulfil these requirements.
- Understand that the successful systems analyst needs to have a broad understanding of organizations, organizational culture, organizational change, organizational operations, and business processes.

Course Outcomes:

- Knowledge & Understanding : Databases and their design & development
- Intellectual Cognitive/ analytical skills: Normalization of Databases.
- Practical Skills :Using SQL and PL/SQL.
- Transferable skills: Usage of DBMS design and administration.
- gather data to analyse and specify the requirements of a system.

- design system components and environments.
- build general and detailed models that assist programmers in implementing a system.

COURSE NAME: Paper-I Network Concepts and Management CLASS – PGDCA SEMESTER – II

Objectives of the Course:

- Study the basic taxonomy and terminology of the computer networking and enumerate the layers of OSI model and TCP/IP model.
- Gain core knowledge of Network layer routing protocols and IP addressing.

Program Learning Outcomes:

Students will come to learn

- the cell structure and various layers of ATM.
- various classes of IP Addressing
- Data Compression Techniques
- Cryptography
- Creating, renaming, deleting, disabling user account in Windows NT

COURSE NAME: Paper-II Programming in CCLASS – PGDCASEMESTER – II

Objectives of the Course:

The primary goal is to prepare students for practical knowledge of basics of programming

- To provide complete knowledge of C language.
- Students will learn how to practically design programs.

Outcomes:

- Understand the fundamentals of C programming.
- Students will acquire knowledge and skills of programming.
- Students will be able to develop logics which will help them to create programs, applications in C.
- Also by learning the basic programming constructs they can easily switch over to any other language in future.

COURSE NAME: Paper-III Introduction to Scripting Languages, Web Designing & Uses of Internet

CLASS – PGDCA SEMESTER – II

Objectives of the Course:

- Understand the principles of creating an effective web page.
- Become familiar with graphic design principles that relate to web design and learn how to implement these theories into practice.
- Develop skills in analyzing the Social sites.
- Understand how to plan and conduct user research related to web usability.
- Learn the language of the web: HTML .
- Learn techniques of web design, Form Design, Table Design, Front page 2003.
- Be able to embed social media content into web pages.

Program Learning Outcomes:

(Knowledge and Understanding, Intellectual Skills, practical Skills, Transferable skills).

Learning Outcomes:

- Students will develop an understanding of the formalistic (aesthetic) aspects of design and visual communication.
- Students will demonstrate cross-platform (web, mobile, broadcast, print) storytelling skills.
- Students will demonstrate a consideration of audience and/or users in their production work.
- Students will become familiar with graphic .
- Students will implement techniques of information design to interactive media projects, with consideration of a particular purpose and audience. The design decisions should be informed by these factors.

COURSE NAME: Paper-IV e-Commerce / BusinessCLASS – PGDCASEMESTER – II

Objectives of the Course:

- The primary goal is to prepare students for practical use of internet for online transactions like use of e-banking
- To get good knowledge of various modes of online payment using various apps.
- Also you can learn various security mechanisms

Learning Outcomes:

- Demonstrate an understanding of the foundations and importance of E-commerce
- Demonstrate an understanding of retailing in E-commerce by: analyzing branding and pricing strategies, using and determining the effectiveness of market research assessing the effects of disintermediation.
- Analyze the impact of E-commerce on business models and strategy

- Describe Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational.
- Describe the infrastructure for E-commerce
- Describe the key features of Internet, Intranets and Extranets and explain how they relate to each other.
- Discuss legal issues and privacy in E-Commerce
- Assess electronic payment systems
- Recognize and discuss global E-commerce issues

Diploma in Computer Animation

Program Outcomes (PO)

PO1: Participate in the planning and implementation of animation projects. Develop and execute believable animation sequences.

PO2: Create animation sequences that employ basic cinematography principles. Use story telling skills to create, develop and execute animation sequences.

PO3: Apply performance theory to the creation of animation. Produce layouts and backgrounds with attention to composition, perspective and colour.

PO4: Present a visual concept to a target audience Use computer skills and appropriate digital asset management techniques to function effectively within a production pipeline.

Program Specific Outcomes (PSO)

PSO1: Design, create and animate characters and objects using fundamental principles of animation.

PSO2: Produce hand-drawn and/or computer-generated drawings using fundamental principles of art, design and composition. Use a variety of tools and technologies to create, capture and animate elements.

PSO3: Develop, assemble and present a demo reel or portfolio in a manner that meets current industry expectations, and highlights one's creativity, skills and proficiency with relevant animation software and related technologies.

COURSE NAME: Paper–I Computer Fundamentals for AnimationCLASS - Diploma in Computer AnimationSEMESTER – I

Objectives of Course:

- Give students an in-depth understanding of why computers are essential components in business, education and society.
- Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software
- Provide hands-on use of Microsoft Office applications Word and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.

COURSE OUTCOMES

At the end of this course the student shall be able to:

• Understand the basic terminology of computers

- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components
- Understand the difference between an operating system and an application program, and what each is used for in a computer
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products
- Identify the applications of computer in daily life
- Understand the practical concepts of MS Word and MS PowerPoint

COURSE NAME: Paper–II Principles of Animation **CLASS - Diploma in Computer Animation**

SEMESTER – I

Objectives of the Course:

The objective of this course is to teach the students very fundamentals of Animation. They will get to learn all the principles which will help them to learn and understand how actual animation works. If they do not these fundamentals, they will be unable to achieve realistic animation. Learning principles also help them in many other fields of the animation.

Program Learning Outcomes:

Students will

- Learn animation fundamentals.
- Understand how animation works.
- Knowledge about using animation principles.
- Without using these animation basics, they will not get desired results.

COURSE NAME: Paper–I Multimedia Technologies **CLASS - Diploma in Computer Animation**

SEMESTER – II

Objectives of the Course:

The aim of this course is to give fundamental knowledge about the various fields related to multimedia technology. This course provides the information about several other fields such as LCD, PDP, color mixing, overview of tools like adobe premiere etc. Understanding, need and type of compression will also be discussed in this subject. Understanding multimedia technology is very important for students, because this will provide them knowledge about all the aspects of multimedia.

Learning Outcomes: Knowledge and Understanding:

Students will

• Understand the basic concepts of multimedia technology which will help them to get started easily in multimedia.

• Get knowledge about various terms like, images, text, fonts, file formats. Understanding these things is very necessary.

• Know about the various compression techniques, types of compressions etc.

will be able to understand design process, image processing and adobe premiere. Design process is very important process for those who want to learn properly about designing.
Learn about Different kind of coding like Huffman's coding, JPEG coding, zip coding.

COURSE NAME: Paper–II 2D Animation & Storyboard ProCLASS - Diploma in Computer AnimationSEMESTER – II

Objectives of the Course:

This course aims at learning about 2D animation and storyboard pro in practical or theoretical way. This course will offer skill development in the use of software to develop storyboards and 2-dimentional animation including creating, importing and sequencing media elements to create multi-media presentations. Emphasis will be on conceptualization, creativity, and visual aesthetics. This course takes the students through various aspects of animation using a variety of 2 dimensional software. Developing concepts, storyboarding and production of several 2 dimensional animations will be accomplished.

Learning Outcomes:

Students will

- Learn 2D digital and cut-out animation.
- Be provided with the fundamental skills to produce traditional style animation as well as puppet animation and the knowledge of the principles of animation to be built upon in subsequent courses leading up to the Portfolio course.
- also apply skills learned in this class in other areas including motion graphics, stop motion and basic traditional animation.