



# Dayanand Mahila Mahavidyalaya Kurukshetra

A Post Graduate College  
ISO 9001:2015  
Affiliated to Kurukshetra University Kurukshetra

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**Course Outcomes (COs), Programme Outcomes (POs) as well as  
Programme Specific Outcomes (PSOs)**

**Mechanism of Communication:**

- The college has well stated Course Outcomes (COs), Programme Outcomes (POs) as well as Programme Specific Outcomes (PSOs) duly recommended from IQAC and there is well defined mechanism to communicate the same to teachers and students.
- Soft copy of Course Outcomes (COs), Programme Outcomes (POs) as well as Programme Specific Outcome (PSOs) is displayed on college website.
- Hard copy is available in the departments for ready reference to the teachers and students.
- Students are also made aware of the same by the teachers in their respective classes.

DAYANAND MAHILA MAHA VIDYALAYA

**COURSE OUTCOMES****Name of Programme: B.A.****English****Semester-I****Paper: EN 21 English**

- CO 1: The course provides an opportunity to the students to improve their pronunciation with the help of speech sounds and symbols.
- CO 2: A brief analysis of essays included in the textbook would help the students to study different aspects of one's societal life on the whole.
- CO 3: With the help of vocabulary exercises students can improve their vocabulary which in turn helps them to improve their comprehension.

**Semester-II****Paper: EN 22 English**

- CO 1: There are short stories prescribed in the syllabus. By reading short stories, students are totally attached with the characters of stories. These stories have life like incidents.
- CO 2: Sometimes the characters of the stories become role model for the students.
- CO 3: The students get the detailed knowledge and practice through the sentences, voices and various topics of grammar and it will help them to develop oratory and writing skills along with good vocabulary.

**Semester-III****Paper: 23 EN English**

- CO 1: William Shakespeare, Alexander Pope, Thomas Gray and William Wordsworth etc are the celebrated poets of their particular age, so the knowledge of the students about literature is enhanced.
- CO 2: As the poems taken into the book cover a wide range of forms of expression, the students are able to develop an understanding of nuances of a variety of poetic expression.

CO 3: Comprehension questions that followed are designed to help students develop and hone their linguistic competence.

CO 4: The course also helped the students to understand and practice the exact pronunciation of English words.

CO 5: Enrich the students' ability to critically appreciate the poetic expressions.

#### **Semester-IV**

##### **Paper: EN 24 English**

CO 1: As the plays are taken from various socio-cultural contexts and cover a wide range of dramatic expressions, enriched the students' knowledge about various dramatic forms and their surroundings.

CO 2: Comprehension questions that followed developed and sharpened the students writing and critical thinking skills.

CO 3: Each chapter includes exercises of vocabulary and writing skills that enhanced students' vocabulary of language and composition skills.

CO 4: Ample practice exercises are provided in writing e-mails, dialogues, resumes and book reviews.

CO 5: The translation exercises from Hindi to English and English to Hindi enabled the students to use the language fluently.

CO 6: The course also made the students to understand and practice the pronunciation of English words and thus increased their language proficiency.

#### **Semester-V**

##### **Paper: EN 25 English**

After Completing the Novel Raja Rao's 'Kanthpura' given in course, the students will be able to:

CO 1: Understand Indian English Literature and its forms.

CO 2: Penetrate the colonialism and post-colonialism.

CO 3: Understand Raja Rao's ideology and his style of writing.

CO 4: Understand the pre-independence scenario reflecting social differences, political strategies and religious conflicts.

CO 5: Enhance their critical reading and writing skills.

CO 6: Know the origin, development and forms of novel.

CO 7: Understand different literacy devices.

CO 8: Improve their speaking specially pronunciation of words.

### Semester-VI

#### Paper: EN 26 English

After Completing the Shakespeare's 'The Merchant of Venice' given in course, the students will be able to:

CO 1: Understand the drama especially Elizabethan drama and its forms.

CO 2: Be familiarized with the great dramatist and his university.

CO 3: Be conversant with the social problems and complexity of relations through this one text only.

#### बी.ए. हिंदी (अनिवार्य)

#### पाठ्यक्रम परिणाम (Course Outcomes)-COs

प्रथम सत्र

Paper: HI 21 Hindi

CO 1: मध्यकालीन काव्य-कुंज के अंतर्गत- हिंदी साहित्य के मध्यकालीन कवियों (कबीर, सूरदास, तुलसीदास, मीराबाई, बिहारी,

घनानंद तथा रसखान) के महान एवं प्रेरणादाई व्यक्तित्व एवं कृतित्व से उनके द्वारा रचित साहित्य के भागवत एवं

शिल्पगत सौन्दर्य से, उनके द्वारा प्रतिपादित उच्च जीवन मूल्यों से विद्यार्थियों को परिचित कराना।

CO 2: हिंदी साहित्य का आदिकाल के अंतर्गत- हिंदी साहित्य के इतिहास को लिखने की परंपरा के आरंभ विकास से परिचित

कराते हुए उसकी व्यापकता का बोध कराना। हिंदी साहित्य के आरंभिक काल 'आदिकाल' से नामकरण में विभिन्न

विद्वानों द्वारा दिए गए नामों का उल्लेख करते हुए 'आदिकाल' नाम की सार्थकता से अवगत कराना। आदिकाल की

राजनीतिक, सामाजिक, आर्थिक, धार्मिक, सांस्कृतिक परिस्थितियों से प्रभावित आदिकालीन हिंदी साहित्य से परिचित

कराना। आदिकाल की वीररस से परिपूर्ण रासो काव्य परंपरा के माध्यम से भारतीय राजाओं की शौर्यपूर्ण गाथाओं से,

राजनीतिक कौशल से, दरबारी कवियों के रासो काव्य के रचनात्मक उद्देश्य एवं सौष्टव से परिचित कराना।

CO 3: काव्यशास्त्र पर आधारित विषय के अंतर्गत- काव्य के स्वरूप का निर्माण करने वाले प्रमुख तत्वों-बुद्धि, कल्पना, भाव, विचार और भाषा का ज्ञान प्रदान करना। रस के स्वरूप, अंग एवं वेदों से परिचित कराते हुए काव्य के भावपक्ष पर प्रकाश डालना। अलंकार, छंद, शब्दशक्तियों तथा शब्दगुणों के द्वारा काव्य के शिल्प सौन्दर्य का विश्लेषण करते हुए काव्य रचना हेतु विद्यार्थियों को प्रेरित करना।

द्वितीय सत्र

Paper: HI 22 Hindi

CO 1: 'ध्रुवस्वामिनी' नाटक के अंतर्गत- नाटककार जयशंकर प्रसाद के व्यक्तित्व एवं कृतित्व का विश्लेषण करते हुए उनकी नाट्यकला पर प्रकाश डालना। ध्रुवस्वामिनी नाटक के कथानक, पात्र योजना, रंगमंचीयता, अभिनयता तथा उद्देश्य के आधार पर समीक्षात्मक अध्ययन करना। नाटक के माध्यम से नारी के अंतर्द्वंद और उसकी सामाजिक स्थिति के संदर्भ में विद्यार्थियों को परिचित करना। ध्रुवस्वामिनी के ऐतिहासिक चरित्र के माध्यम से नारीसशक्तिकरण के संदर्भ में समकालीन प्रासंगिकता पर विचार करना। जीवन में आधारित-कर्तव्य, न्याय-अन्याय, वीरता-कायरता, मान-अपमान के अंतर को स्पष्ट करते हुए नाटक के उद्देश्य से छात्रों को परिचित करना।

CO 2: 'हिंदी साहित्य का भक्तिकाल' के अंतर्गत- हिंदी साहित्य के स्वर्णयुग 'भक्तिकाल' की पृष्ठभूमि की चर्चा करते हुए उसकी सामाजिक, राजनीतिक, आर्थिक, धार्मिक, सांस्कृतिक परिस्थितियों का विश्लेषण करना। भक्तिकाल में रचित संतकाव्य, सूफ़ीकाव्य, रामकाव्य और कृष्णकाव्य की भावगत, विचारगत, भाषागत विशेषताओं से अवगत करना। मध्यकालीन भारत में रचित भक्ति साहित्य की स्वर्णयुग के रूप में भूमिका एवं महत्ता पर प्रकाश डालना।

CO 3: 'व्यावहारिक हिंदी' के अंतर्गत- हिंदी भाषा की परिभाषा, बोली, राजभाषा, राष्ट्रभाषा, मानकभाषा आदि विविध रूपों, विशेषताओं, हिंदी वर्णमाला, हिंदी वर्तनी की समस्या-समाधान, मुहावरे एवं लोकोक्तियों के आधार पर हिंदी भाषा के व्यवहारिक रूप की जानकारी प्रदान करना।

तृतीय सत्र

Paper: HI 23 Hindi

CO 1: छात्रों को आधुनिक कवियों की कविताओं, उनके भाव, भाषा, शैली से परिचित करवाना व उनमें संवेदनशीलता, जागरूकता और समर्पण के भाव जागृत करवाना।

CO 2: छात्रों को समाज में कवी व कविता के महत्व को समझाना।

CO 3: 'हिंदी साहित्य में रीतिकाल' का स्थान, महत्व और हिंदी साहित्य के इतिहास परंपरा से अवगत करवाना।

CO 4: रीतिकाल की पृष्ठभूमि, परिस्थितियों, प्रवृत्तियों, प्रमुख साहित्यकारों और साहित्यिक रचनाओं की जानकारी देना।

CO 5: वर्तमान समय में शिक्षा और जीवन में कंप्यूटर, इंटरनेट, ई मेल का महत्व और मशीनी अनुवाद का स्वरूप में उपयोगिता से अवगत करवाना।

चतुर्थ सत्र

Paper: HI 24 Hindi

- CO 1: छात्राओं को आधुनिक कहानीकारों, कहानियों, कहानी परंपरा की जानकारी देना। कहानियों का समाज पर प्रभाव व महत्व से अवगत करवाना।
- CO 2: कहानियों को छात्राएं अपने-आप से जोड़ते हुए प्रेरणा ले पाए और उनकी कहानी लेखन रुचि उत्पन्न करना।
- CO 3: हिंदी साहित्य के आधुनिक काल का स्थान, महत्व और पृष्ठभूमि से अवगत करवाना।
- CO 4: आधुनिक गद्य विधाओं नाटक, कहानी, उपन्यास, निबंध, संस्मरण, एकांकी की जानकारी प्रदान करवाना।
- CO 5: छात्राओं न पारिभाषिक शब्दावली के अर्थ, स्वरूप, महत्व, उपयोगिता व सिद्धांतों को समझाना।

**पंचम सत्र**

Paper: HI 25 Hindi

- CO 1: विद्यार्थियों को समकालीन हिंदी कवियों व उनकी प्रसिद्ध कविताओं की जानकारी देना।
- CO 2: हिंदी साहित्य के आधुनिक काल के अंतर्गत विद्यार्थियों भारतेंदु युग से समकालीन कविता तक विस्तृत जानकारी प्रदान करवाना।
- CO 3: प्रयोजनमूलक हिंदी के अंतर्गत पत्रलेखन, संक्षेपन, पल्लवन के विषय में परिचित करवाना।
- CO 4: विद्यार्थियों में हिंदी पत्रकारिता में तकनीकी ज्ञान के प्रति रुचि उत्पन्न करना।
- CO 5: विद्यार्थियों का वर्तमान साहित्य व सामाजिक समस्याओं के प्रति सचेत करना।

**षष्ठम सत्र**

Paper: HI 26 Hindi

- CO 1: विद्यार्थियों को निबंध, संस्मरण, व्यंग्य, ललित निबंध यात्रा वृत्त के विषय में विस्तृत जानकारी प्रदान करवाना।
- CO 2: हरियाणवी भाषा के उद्भव व विकास, बोलियों, साँना परंपरा आदि से विद्यार्थियों का परिचय करवाना।
- CO 3: हरियाणवी भाषा के प्रति रुचि उत्पन्न करना।
- CO 4: हिंदी पत्रकारिता के विषय में विस्तृत जानकारी प्रदान करवाना।
- CO 5: विद्यार्थियों में पत्रकारिता (व्यवसायिक दृष्टि से) के प्रति रुचि उत्पन्न करना।
- CO 6: स्वतंत्र प्रेस के विषय में जानकारी प्रदान करना।

**बी.ए. हिंदी (ऐच्छिक)**

**पाठ्यक्रम परिणाम (Course Outcomes)-COs**

प्रथम सत्र

Paper: EH 21 Hindi Elective

- CO 1: कुरुक्षेत्र (षष्ठ सर्ग) के अंतर्गत- रामधारी सिंह दिनकर द्वारा रचित 'कुरुक्षेत्र' (काव्य रचना) के आधार पर रचनाकार के व्यक्तित्व एवं कृतित्व की जानकारी प्रदान की गई। कुरुक्षेत्र की मुख्यकथा के साथ छठे सर्ग की क्षेपक के रूप में मौलिकता तथा महत्ता का प्रतिपादन किया गया। कुरुक्षेत्र काव्य खंड की सप्रसंग व्याख्या, मूल संवेदना, पत्रयोजना, काव्य रूपों, नामकरण की सार्थकता एवं राष्ट्रकवि दिनकर की काव्य कला से परिचित कराया गया। कुरुक्षेत्र के षष्ठ सर्ग के कथ्य के अनुसार आधुनिक युग में बढ़ते भौतिकता विज्ञान की व्यापकता, मनुष्य के बुद्धिमान तथा हृदय की संवेदनहीनता के संदर्भ में विस्तारपूर्वक विचार-विमर्श किया।
- CO 2: हानूश (नाटक) के अंतर्गत- हानूश नाटक के रचनाकार भीष्म साहनी के व्यक्तित्व एवं कृतित्व से परिचित कराना। हानूश की कथावस्तु, पात्रयोजना, उद्देश्य, नामकरण की सार्थकता रंगमंचीयता की दृष्टि से मूल्यांकन तथा हानूश नाटक के आधार पर भीष्म साहनी की नाट्यकला

से अवगत कराना। हानूश नाटक में एक घड़ी बनाने वाले के त्रासदी पूर्ण जीवन को उद्धारित करते हुए उस कलाकार की विचित्र विडम्बना का, सृजनेच्छा का, शासक की निरंकुशता, भ्रष्टाचार, तानाशाही और विवेकहीनता का, राजनीतिक प्रपंचता का, धार्मिक अंधविश्वासों एवं रूढ़िवादिता पर प्रहार का परिचय देना।

- Co 3: हिंदी साहित्य के आदिकाल के अंतर्गत- हिंदी साहित्य-इतिहास लेखन परंपरा के आरंभ और विकास से परिचित कराते हुए उसकी व्यापकता का बोध कराया। हिंदी साहित्य के आरंभिक काल 'आदिकाल' के नामकरण में विभिन्न विद्वानों द्वारा दिए गए नामों का उल्लेख करते हुए 'आदिकाल' नाम की सार्थकता एवं उपयुक्तता से परिचित कराना। आदिकाल की राजनीतिक, सामाजिक, आर्थिक, धार्मिक, सांस्कृतिक परिस्थितियों से प्रभावित आदिकालीन हिंदी साहित्य से अवगत कराना। आदिकालीन हिंदी साहित्य की भागवत एवं शिल्पगत प्रवृत्तियों का ज्ञान प्रदान करना। आदिकाल की वीररस से परिपूर्ण रासो काव्य परंपरा का परिचय, प्रमुख रासो ग्रंथ पृथ्वीराज रासो की प्रामाणिकता-अप्रामाणिकता पर विचार विश्लेषण तथा आदिकालीन कवि विद्यापति एवं अमीर खुसरो के साहित्यिक व्यक्तित्व एवं कृतित्व का बोध कराना।

### द्वितीय सत्र

Paper: EH 22 Hindi Elective

- CO 1: प्राचीन एवं मध्यकालीन हिंदी काव्य के अंतर्गत- कबीर, जायसी, सूरदास, तुलसीदास, मीराबाई, बिहारी, धनानंद द्वारा रचित पदों की सप्रसंग व्याख्या कराना। कबीर की प्रासंगिकता, जायसी के विरह वर्णन, सूरदास के बालमनोचिन्तन तथा वात्सल्य वर्णन, श्रृंगार वर्णन, आधुनिक भारत में तुलसी के समन्वयवाद की महत्ता का विश्लेषण, मीराबाई की भक्तिपूर्ण निस्वार्थ प्रेमसाधना का चित्रण, बिहारी की बहूजता का उसके दोहों के आधार पर आलोचनात्मक चिंतन, धनानंद की भक्तिपरक वियोगावस्था तथा उपर्युक्त सभी कवियों के साहित्यिक व्यक्तित्व की समीक्षा का बोध कराना।
- CO 2: प्रेमचंद द्वारा रचित नारी विमर्श प्रधान उपन्यास 'निर्मला' के उद्देश्य पात्रयोजना का समीकरण, नामकरण की सार्थकता, प्रेमचंदयुगीन सामाजिक परिवेश के आधार पर तत्कालीन भारतीय समाज का अंकन तथा प्रेमचंद के उपन्यासकार रूप का परिचय प्रदान करना।
- CO 3: हिंदी साहित्य के स्वर्णयुग भक्तिकाल के उद्भव और विकास सामाजिक, आर्थिक, सांस्कृतिक, धार्मिक परिस्थितियों का, भक्तिकाल की संतकाव्य धारा, सूफीकाव्यधारा, रामकाव्यधारा तथा कृष्णकाव्यधारा की विशेषताओं का अष्टछाप के कवियों और उनके काव्य की महत्ता का व्यापक ज्ञान प्रदान करना।

### तृतीय सत्र

Paper: EH 23 Hindi Elective

- CO 1: छात्रों को हिंदी साहित्य में कहानी विद्या का स्थान और महत्व समझाना और लेखन के प्रति रुचि उत्पन्न कराना।
- CO 2: छात्रों को आधुनिक कवियों व कविताओं, उनके भाव, भाषा, शैली से परिचित करवाना व उनमें संवेदनशीलता, जागरूकता और समर्पण के भाव जागृत करना।
- CO 3: साहित्य इतिहास परंपरा में रितीकाल का महत्व और स्थान समझाना और तत्कालिक समाज की पृष्ठभूमि से अवगत करवाना।
- CO 4: साहित्य और समाज का संबंध समझाना।
- CO 5: कविताओं और कहानियों के माध्यम से छात्रों को, सामाजिक कर्तव्यों और सामाजिक समस्याओं से जोड़ते हुए उन्हें प्रेरित करना।

### चतुर्थ सत्र

Paper: EH 24 Hindi Elective

- CO 1: 'सुदामा चरित' की कथा, रचनाकार नरोत्तम दास के जीवन परिचय से अवगत करवाना। मित्रता और सख्य भाव जागृत करना।
- CO 2: आधुनिक हिंदी साहित्य के प्रमुख गद्य विद्या का परिचय और महत्व समझाना। प्रमुख निबंधों और निबंधकारों की जानकारी प्रदान करवाना।



- CO 3: आधुनिक काल में हिंदी कविता का विकास, भाषा का परिष्कार, खड़ी बोली हिंदी का महत्व समझाना।
- CO 4: आधुनिक काल में हिंदी कविता के विभिन्न युग, उनकी प्रवृत्तियां, पृष्ठभूमि, कविता आंदोलन, प्रमुख कवियों, प्रमुख काव्य रचनाओं की जानकारी प्रदान करना।

#### पंचम सत्र

Paper: EH 25 Hindi Elective

- CO 1: विद्यार्थियों को समकालीन हिंदी कवियों व उनकी सुप्रसिद्ध कविताओं की विस्तृत जानकारी प्रदान करवाना।
- CO 2: कहानियों के माध्यम से विद्यार्थियों को सामाजिक विडंबनाओं के प्रति जागरूक करना।
- CO 3: विद्यार्थियों को हिंदी उपन्यास, नाटक, कहानी निबंध, आलोचना, आत्मकथा, जीवनी यात्रा-वेदांत के विषय में जानकारी प्रदान करवाना।
- CO 4: विद्यार्थियों में साहित्य के प्रति रुचि उत्पन्न करना।

#### षष्ठम सत्र

Paper: EH 26 Hindi Elective

- CO 1: 'मानस का हंस' नामक उपन्यास के माध्यम से विद्यार्थियों को तुलसीदास के प्रमाणिक जीवन से परिचित करवाना।
- CO 2: विद्यार्थियों को संस्मरण, रेखाचित्र, निबंध व्यंग्य, डायरी, यात्रा-वृत्तांत के विषय में विस्तृत जानकारी उपलब्ध करवाना/देना।
- CO 3: विद्यार्थियों को काव्य के स्वरूप, भेद, प्रयोजन, हेतु, रस, छंद, अलंकारों के विषय में जानकारी प्रदान करवाना।
- CO 4: विद्यार्थियों के हृदय में हिंदी साहित्य के प्रति रुचि व संवेदना उत्पन्न करना।

#### बी.ए. (संस्कृत अनिवार्य)

#### पाठ्यक्रम परिणाम (Course Outcomes)-COs

##### प्रथम सत्र

#### Paper: SA 21 Sanskrit Compulsory

- CO 1: वेद उपनिषद् आदि ग्रंथों के माध्यम से भारतीय संस्कृति, दर्शन तथा साहित्य से परिचित कराना।
- CO 2: पशु-पक्षियों की कहानियों के माध्यम से सामाजिक, राजनैतिक तथा व्यवहारिक शिक्षा प्रदान करना।
- CO 3: शब्द रूप तथा धातु रूप के माध्यम से बौद्धिक क्षमता को विकसित करना।
- CO 4: संधि के माध्यम से वर्णों के मेल संबंधी जानकारी प्रदान करना।

##### द्वितीय-सत्र

#### Paper: SA 22 Sanskrit Compulsory

- CO 1: संस्कृत चयनिका में वर्णित भिन्न-भिन्न पाठों के माध्यम से संस्कृति, साहित्य, दर्शन का ज्ञान प्रदान करना।
- CO 2: पंचतंत्र तथा हितोपदेश की कहानियों के माध्यम से सामाजिक, राजनीतिक तथा व्यावहारिक ज्ञान प्रदान करना।
- CO 3: संस्कृत व्याकरण के माध्यम से भाषा का वाक्यप्रयोग के लिए शब्द तथा क्रिया का ज्ञान प्रदान करना।

CO 4: कारक तथा उपपदविभक्तियों का प्रयोग करके सरल वाक्यों के माध्यम से वाग्व्यवहार का अभ्यास कराना।

### तृतीय सत्र

#### Paper: SA 23 Sanskrit Compulsory

CO 1: चारुदत्तम् नाटक के माध्यम से नाट्यशास्त्र का परिचय प्रदान कर लोक चेतना से अवगत कराना।

CO 2: चारुदत्तम् नाटक के पात्रों के चरित्र-चित्रण के माध्यम से नाट्य-कला तथा संवाद शैली का ज्ञान प्रदान करना।

CO 3: धातुओं के साथ कृत् प्रत्ययों के प्रयोग से संज्ञावाची, विशेषण तथा क्रिया विशेषण आदि का ज्ञान प्रदान करना।

CO 4: व्याकरण के माध्यम से भाषा का ज्ञान प्रदान करना।

### चतुर्थ सत्र

#### Paper: SA 24 Sanskrit Compulsory

CO 1: चारुदत्तम् नाटक के माध्यम से नाट्यशास्त्र, नाट्य-कला का ज्ञान प्रदान करना।

CO 2: नाटकों की रचना संबंधित ज्ञान तथा कवि चातुर्थ के द्वारा बौद्धिक विकास का ज्ञान प्रदान करना।

CO 3: णिजन्त तथा सन्नन्त प्रत्ययों के माध्यम से शुद्ध भाषा का ज्ञान कराना।

CO 4: समास के माध्यम से संक्षेपीकरण का ज्ञान करवाना।

### पंचम सत्र

#### Paper: SA 25 Sanskrit Compulsory

CO 1: नीतिशतकम् के माध्यम से लोभ, दुर्जनता, अहंकार, निंदा, अज्ञानता आदि अवगुणों का त्याग करने संबंधी जानकारी प्रदान करना।

CO 2: लोकव्यवहार तथा सञ्जनता, उदारता, स्वाभिमान, सहनशीलता आदि गुणों का महत्व तथा जीवन में उपयोगिता का भाव कराना।

CO 3: संस्कृत साहित्य के माध्यम से पुरातन भारतीय संस्कृति तथा ज्ञान से परिचित कराना।

CO 4: कारकविभक्ति के माध्यम से शुद्ध भाषा का ज्ञान तथा वाक्य प्रयोग का ज्ञान वर्धन कराना।

### षष्ठ सत्र

#### Paper: SA 26 Sanskrit Compulsory

CO 1: शिवराजविजय के माध्यम से गद्य साहित्य, प्राच्य और पाश्चात्य शिल्प के समन्वय का दर्शन करना तथा 'अम्बिकादत्त व्यास' के परिचय के माध्यम से कवि की साहित्यिक उत्कृष्टा, बौद्धिक प्रतिभा तथा सामाजिक आकलनों के वैशिष्ट्य संबंधित ज्ञान कराना।

CO 2: शिवराजविजय उपन्यास के पात्रों के माध्यम से स्वाभाविकता, यथार्थता का ज्ञान तथा तत्कालीन सामाजिक परिस्थितियों के विषय में ज्ञान कराना।

- CO 3: संस्कृत साहित्य के द्वारा सामाजिक, राजनैतिक, तथा व्यवहारिक ज्ञान प्रदान करना।
- CO 4: सरल भाषा के माध्यम से सरल वाक्य प्रयोग तथा शुद्ध वाक्यों का चयन करना संबंधी अभ्यास कराना।

बी.ए. (संस्कृत ऐच्छिक)

**पाठ्यक्रम परिणाम (Course Outcomes)-COs**

**प्रथम सत्र**

**Paper: ES 21 Sanskrit Elective**

- CO 1: कहानियों में पशु-पक्षी पात्रों के माध्यम से परस्पर मित्र कैसे लाभ पहुंचाते हैं। इसका व्यावहारिक ज्ञान प्रदान कराना। सामाजिक स्तर पर मिलजुल कर कार्य करने की भावना से अवगत करवाना।
- CO 2: नैतिकता की शिक्षा प्रदान कराना। विपरीत परिस्थितियों में भी मेहनत करते हुए, धैर्यपूर्वक सफलता प्राप्ति के दिशा-निर्देशों का बोध करवाना।
- CO 3: संस्कृत-व्याकरण में शब्द-रूप तथा धातुरूपों द्वारा छात्राओं की बौद्धिक क्षमता को विकसित कराना।
- CO 4: संधि ज्ञान द्वारा, वर्ण-परिचय तथा वर्णों के मेल का बोध करवाना। श्लोकों के कण्ठस्थीकरण से छात्राओं के आत्मविश्वास में वृद्धि कराना।

**द्वितीय सत्र**

**Paper: ES 22 Sanskrit Elective**

- CO 1: गीतोपदेश से योगेश्वर श्रीकृष्ण के राजनीति विज्ञान एवं युद्ध-कौशल से छात्राओं को परिचित करवाना और गीता की सार्वभौमिकता और सार्वकालिकता का अनुभव करवाना।
- CO 2: जीवन में नैतिक मूल्यों के महत्व का बोध करवाना तथा धैर्य और उत्साहपूर्वक जीवन पथ पर आगे बढ़ने की शिक्षा प्रदान कराना।
- CO 3: शब्दरूप तथा धातुरूपों की जानकारी देकर छात्राओं के बौद्धिक ज्ञान को विकसित कराना।
- CO 4: छन्द परिचय के माध्यम से छात्राओं में श्लोकों के छन्दोबद्ध गायन का कौशल विकसित कराना। सरल वाक्यों का संस्कृत में अनुवाद द्वारा बौद्धिक क्षमता को विकसित कराना।

**तृतीय सत्र**

**Paper: ES 23 Sanskrit Elective**

- CO 1: महाभारत आधारित नाटक के माध्यम से छात्राओं को ऐतिहासिक घटनाओं का बोध करवाना। तत्कालीन यज्ञ समृद्धि एवं गुरु-शिष्य परंपरा से परिचित करवाना।
- CO 2: संस्कृत-साहित्य के कवियों से परिचित करवाना तथा नाटक में प्रयोग किए गए परिभाषिक शब्दों का विस्तृत ज्ञान करवाना।
- CO 3: समाज ज्ञान द्वारा संक्षिप्तीकरण का ज्ञान करवाना तथा प्रत्ययों द्वारा भाषा की शुद्धता का बोध करवाना।

CO 4: प्रत्याहार सूत्रों के माध्यम से अच् और हल् वर्णों का वैज्ञानिक दृष्ट्या बोध करवाना। संस्कृत-पत्र-लेखन द्वारा छात्राओं के लेखन कौशल को विकसित करवाना।

#### चतुर्थ सत्र

##### Paper: ES 24 Sanskrit Elective

- CO 1: कवि कालिदास के काव्य-कौशल से परिचित करवाना। रघुकुल के राजा दिलीप के उच्च आदर्शों, कर्म निष्ठा, कर्तव्यपरायणता तथा गौरीसेवा भाव से अवगत कराना।
- CO 2: कवि की गद्यशैली से परिचित करवाना, कवि को आधुनिक बाणभट्ट कहने के पीछे के भाव का ज्ञान करवाना। शिवाजी एवं उनके गुप्तचरों की वीरता और देशभक्ति भावना एवं समर्पण से परिचित करवाना।
- CO 3: वाच्य परिवर्तन एवं प्रत्ययों के माध्यम से भाषा की शुद्धता और वैज्ञानिकता का बोध करवाना।
- CO 4: सूत्रशैली से भाषा कौशल विकसित करना तथा सूत्रों द्वारा विस्तृत ज्ञान को अल्प शब्दों में ज्ञान लेना। सरल वाक्यों के अनुवाद द्वारा बौद्धिक क्षमता को विकसित करना।

#### पंचम सत्र

##### Paper: ES 25 Sanskrit Elective

- CO 1: नाटक के माध्यम से कवि की नाट्यशैली और रचनात्मकता तथा कल्पनाशीलता का परिचय करवाना। महाभारत आधारित कथावस्तु में कल्पनाशीलता के पुट का अनुभव कराना तथा नाटक के परिवर्तित अंशों से भी परिचित करवाना।
- CO 2: कवि के जीवन, समय और रचनाओं का विस्तृत ज्ञान प्रदान करवाना।
- CO 3: वैदिक साहित्य के माध्यम से वैदिक और भारतीय पुरातन संस्कृति का बोध करवाना।
- CO 4: शब्दालंकारों और अर्थालंकारों के द्वारा भाषा के शाब्दिक एवं भाव सौंदर्य का बोध करवाना। भाषा की शुद्धता का ज्ञान करवाना।

#### षष्ठम सत्र

##### Paper: ES 26 Sanskrit Elective

- CO 1: नाटक के द्वारा कवि की नाट्यशैली और रचनात्मकता का परिचय करवाना।
- CO 2: कवि की रचनाओं में प्रदर्शित राष्ट्रीय-प्रेम भावना, प्राकृतिक-सौंदर्य, जीवन-दृष्टि एवं प्रकृति के मानवीयकरण का बोध कराना।
- CO 3: संस्कृत के लौकिक साहित्य द्वारा सामाजिक, राजनीतिक और व्यवहारिक ज्ञान तथा अन्य पहलुओं से अवगत करवाना। तत्कालीन कवियों के जीवन एवं संघर्षपूर्ण काल से परिचित करवाना।
- CO 4: स्त्रीप्रत्ययों द्वारा पुल्लिंग शब्दों को स्त्रीलिंग में प्रयोग करने की क्षमता विकसित करना तथा समाज में प्रयुक्त पुल्लिंग के आधार पर स्त्रीलिंग शब्दों में प्रत्ययों की जानकारी रखना। निबंध लेखन द्वारा लेखन क्षमता को विकसित कराना।

**B.A. ਪੰਜਾਬੀ (ਇਲੈਕਟਿਵ)****Course Outcomes (COs)**

ਸਮੈਸਟਰ- ਪਹਿਲਾ

**Paper: EP 21 Punjabi Elective**

- CO 1: 'ਕਾਵਿ-ਨਾਦ' ਪੁਸਤਕ ਵਿਚ ਸ਼ਾਮਲ ਕਵੀਆਂ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਕਾਵਿ ਧਾਰਾਵਾਂ ਨਾਲ ਜੋੜਿਆ ਗਿਆ ।
- CO 2: ਇਸ ਪੁਸਤਕ ਵਿਚ ਸ਼ਾਮਲ ਕਵਿਤਾਵਾਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਰਹੱਸਵਾਦ, ਪ੍ਰਕ੍ਰਿਤੀ, ਦੇਸ਼, ਕੌਮ ਅਤੇ ਭਾਸ਼ਾ ਪ੍ਰਤੀ ਪਿਆਰ ਅਤੇ ਸਤਿਕਾਰ ਨਾਲ ਜੋੜਦੀਆਂ ਹਨ।
- CO 3: ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕਵਿਤਾ ਵਿਚ ਪੇਸ਼ ਵਿਸ਼ਾ-ਵਸਤੂ ਅਤੇ ਕਾਵਿ-ਕਲਾ ਦਾ ਗਿਆਨ ਕਰਾਉਂਦੇ ਹੋਏ ਉਨ੍ਹਾਂ ਦਾ ਬੌਧਿਕ ਵਿਕਾਸ ਕਰਨ ਦਾ ਪ੍ਰਯਾਸ ਕੀਤਾ ।
- CO 4: ਪੰਜਾਬੀ ਗਲਪ ਦੇ ਪਿਤਾਮਾ ਨਾਨਕ ਸਿੰਘ ਦੇ ਸਾਹਿਤਕ ਜੀਵਨ ਅਤੇ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਰਚਿਤ ਮਨੋਵਿਗਿਆਨਕ ਨਾਵਲ 'ਪਵਿੱਤਰ-ਪਾਪੀ' ਦਾ ਵਿਸ਼ਾਗਤ ਅਤੇ ਕਲਾਗਤ ਅਧਿਐਨ ਦੀ ਜਾਣਕਾਰੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਦਿੱਤੀ ਗਈ ।
- CO 5: 'ਪਵਿੱਤਰ ਪਾਪੀ' ਨਾਵਲ ਦੇ ਨਾਇਕ 'ਕਿਦਾਰ' ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਦਰਸ਼ਵਾਦੀ ਮਨੁੱਖ ਬਣਨ ਲਈ ਪ੍ਰੇਰਿਤ ਕੀਤਾ ਗਿਆ ।
- CO 6: ਦਫ਼ਤਰੀ ਚਿੱਠੀ-ਪੱਤਰ ਦੀ ਜਾਣਕਾਰੀ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵੱਖ-ਵੱਖ ਵਿਭਾਗਾਂ ਵਿਚ ਚਿੱਠੀ-ਪੱਤਰ ਲਿਖਣ ਦਾ ਗਿਆਨ ਪ੍ਰਦਾਨ ਕੀਤਾ।
- CO 7: ਮੁਹਾਵਰਿਆਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਬੋਲਚਾਲ ਅਤੇ ਭਾਸ਼ਾ ਨੂੰ ਪ੍ਰਭਾਵਸ਼ਾਲੀ ਬਣਾਉਣ ਦੀ ਜਾਣਕਾਰੀ ਦਿੱਤੀ ਗਈ ।
- CO 8: ਸ਼ੁੱਧ-ਅਸ਼ੁੱਧ ਸ਼ਬਦਾਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਸ਼ੁੱਧਤਾ ਦਾ ਬੋਧ ਕਰਾਇਆ ਗਿਆ ਅਤੇ ਪ੍ਰਬੰਧਕੀ ਸ਼ਬਦਾਵਲੀ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਸ਼ਬਦ-ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਕੀਤਾ।

ਸਮੈਸਟਰ- ਦੂਜਾ

**Paper: EP 22 Punjabi Elective**

- CO 1: 'ਕਾਵਿ-ਨਾਦ' ਪੁਸਤਕ ਵਿਚ ਸ਼ਾਮਲ ਕਵੀਆਂ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੀ ਰੁਮਾਂਸਵਾਦੀ ਪ੍ਰਗਤੀਵਾਦੀ ਆਦਿ ਕਾਵਿਧਾਰਾਵਾਂ ਨਾਲ ਜੋੜਿਆ ਗਿਆ ।
- CO 2: ਇਸ ਪੁਸਤਕ ਵਿਚ ਦਰਜ ਕਵਿਤਾਵਾਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਪਿਆਰ, ਨਾਰੀ-ਸੰਵੇਦਨਾ, ਪ੍ਰਗਤੀਵਾਦ ਆਦਿ ਵਿਸ਼ਿਆਂ ਦਾ ਬੋਧ ਕਰਾਉਂਦੇ ਹੋਏ ਕਵਿਤਾ ਦੇ ਕਲਾ-ਪੱਖ ਨਾਲ ਜੋੜਿਆ ।
- CO 3: 'ਇਕਾਂਗੀ ਬਹੁਰੰਗੀ' ਪੁਸਤਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਰੰਗਮੰਚ ਨਾਲ ਜੋੜਿਆ ਅਤੇ ਪ੍ਰਸਿੱਧ ਇਕਾਂਗੀਕਾਰਾਂ ਦੀਆਂ ਸਾਹਿਤਕ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਦਾ ਗਿਆਨ ਕਰਾਇਆ ।

CO 4: ਇਕਾਂਗੀਆਂ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸਮਾਜ, ਸਭਿਆਚਾਰ ਅਤੇ ਕਿਸਾਨੀ ਜੀਵਨ ਨਾਲ ਜੁੜੀਆਂ ਸਮੱਸਿਆਵਾਂ ਤੋਂ ਅਵਗਤ ਕਰਾਇਆ ।

CO 5: ਇਕਾਂਗੀ ਦੇ ਕਲਾਤਮਕ ਅਧਿਐਨ ਦੇ ਵਿਭਿੰਨ ਪੱਖਾਂ ਤੋਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣੂ ਕਰਾਇਆ।

CO 6: ਨਿੱਜੀ ਚਿੱਠੀ ਪੱਤਰ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕਰਾ ਕੇ ਪੱਤਰ-ਲੇਖਨ ਦੀ ਸ਼ੈਲੀ ਦਾ ਬੋਧ ਕਰਾਇਆ।

CO 7: ਅਖਾਣ ਦੇ ਗਿਆਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਚਿੰਤਨ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਕਰਨ ਦਾ ਪ੍ਰਯਾਸ ਕੀਤਾ ।

CO 8: ਸ਼ੁਧ ਅਸ਼ੁਧ ਵਾਕ ਦੀ ਜਾਣਕਾਰੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਸ਼ੁਧਤਾ ਦਾ ਗਿਆਨ ਕਰਾਉਂਦੀ ਹੈ।

CO 9: ਪ੍ਰਬੰਧਕੀ ਸ਼ਬਦਾਵਲੀ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਸ਼ਬਦ-ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਕੀਤਾ।

**ਸਮੇਸਟਰ- ਤੀਸਰਾ**

**Paper: EP 23 Punjabi Elective**

CO 1: 'ਕਾਵਿ-ਤਰੰਗਾਂ' ਪੁਸਤਕ ਵਿਚ ਸ਼ਾਮਲ ਕਵੀਆਂ ਦੇ ਸਾਹਿਤਕ ਜੀਵਨ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸੂਫੀ, ਕਿੱਸਾ ਅਤੇ ਬੀਰ ਕਵਿਤਾ ਤੋਂ ਜਾਣੂ ਕਰਾਇਆ ।

CO 2: 'ਕਾਵਿ-ਤਰੰਗਾਂ' ਵਿਚ ਦਰਜ ਕਵਿਤਾਵਾਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਅਧਿਆਤਮ, ਪ੍ਰੇਮ ਅਤੇ ਵੀਰਤਾ ਦੇ ਵਿਸ਼ਿਆਂ ਨਾਲ ਜੋੜ ਕੇ ਇਨ੍ਹਾਂ ਕਵਿਤਾਵਾਂ ਦੇ ਕਾਵਿ-ਸੁਹਜ ਦਾ ਬੋਧ ਕਰਾਇਆ ।

CO 3: 'ਕਥਾ ਯਾਤਰਾ' ਕਹਾਣੀ ਸੰਗ੍ਰਹਿ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕਹਾਣੀ ਦੀ ਬਣਤਰ ਅਤੇ ਵਿਚਾਰਧਾਰਾ ਤੋਂ ਜਾਣੂ ਕਰਾਇਆ ।

CO 4: 'ਕਥਾ-ਯਾਤਰਾ' ਵਿਚ ਸ਼ਾਮਲ ਕਹਾਣੀਕਾਰਾਂ ਦੀ ਸਾਹਿਤਕ ਦੇਣ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕੀਤੀ ਅਤੇ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਰਚਿਤ ਕਹਾਣੀਆਂ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਸਮਾਜ ਵਿਚ ਵਿਆਪਤ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਸਭਿਆਚਾਰਕ ਅਤੇ ਰਾਜਨੀਤਿਕ ਸਮੱਸਿਆਵਾਂ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਰੂ-ਬ-ਰੂ ਕਰਾਉਂਦੇ ਹੋਏ ਇਨ੍ਹਾਂ ਦੇ ਕੌਲ ਖੋਜਣ ਲਈ ਪ੍ਰੇਰਿਤ ਕੀਤਾ ।

CO 5: ਨਿਬੰਧ ਦੇ ਗਿਆਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਬਾਰੇ ਖੁੱਲ੍ਹ ਕੇ ਚਰਚਾ ਕਰਨ ਦੀ ਸ਼ੈਲੀ ਨੂੰ ਵਿਕਸਿਤ ਕਰਨ ਦਾ ਪ੍ਰਯਾਸ ਕੀਤਾ ।

CO 6: 'ਛੰਦ' ਦੇ ਗਿਆਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕਵਿਤਾ ਨੂੰ ਲੈਅਮਈ ਅਤੇ ਰਵਾਨਗੀ ਭਰਪੂਰ ਬਣਾਉਣ ਦੀ ਵਿਧੀ ਸਿਖਾਉਣ ਦਾ ਪ੍ਰਯਾਸ ਕੀਤਾ ।

CO 7: ਸ਼ਬਦ ਜੁੱਟ ਅਤੇ ਸਾਹਿਤਕ ਸ਼ਬਦਾਵਲੀ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸ਼ਬਦ ਭੰਡਾਰ ਦੇ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਕੀਤਾ ।

**ਸਮੇਸਟਰ- ਚੌਥਾ**

**Paper: EP 24 Punjabi Elective**

- CO 1: 'ਕਾਵਿ ਤਰੰਗਾਂ' ਪੁਸਤਕ ਵਿਚ ਸ਼ਾਮਲ ਕਵੀਆਂ ਅਤੇ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਰਚਿਤ ਕਵਿਤਾਵਾਂ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸੂਫੀ, ਕਿੱਸਾ ਅਤੇ ਬੀਰ ਕਾਵਿਧਾਰਾ ਨਾਲ ਜੋੜਦੇ ਹੋਏ ਇਨ੍ਹਾਂ ਕਾਵਿਧਾਰਾਵਾਂ ਦੀ ਵਿਚਾਰਧਾਰਾ ਅਤੇ ਕਾਵਿ-ਕਲਾ ਦੀ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕੀਤੀ ।
- CO 2: ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1701 ਤੋਂ 1850 ਤੱਕ) ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਰਾਜਨੀਤਿਕ, ਸਮਾਜਿਕ, ਸਾਹਿਤਕ ਵਿਰਸੇ ਤੋਂ ਜਾਣੂ ਕਰਾਇਆ ।
- CO 3: 1701 ਤੋਂ 1850 ਈ. ਤੱਕ ਰਚੇ ਗਏ ਪੰਜਾਬੀ ਸੂਫੀ, ਕਿੱਸਾ, ਬੀਰ ਅਤੇ ਗੱਦ ਸਾਹਿਤ ਨਾਲ ਜੋੜਦੇ ਹੋਏ ਇਨ੍ਹਾਂ ਵਿਧਾਵਾਂ ਦੇ ਵਿਕਾਸ ਵਿਚ ਯੋਗਦਾਨ ਪਾਉਣ ਵਾਲੇ ਲੇਖਕਾਂ ਤੋਂ ਜਾਣੂ ਕਰਾਇਆ ।
- CO 4: 'ਪੈਰੂ' ਰਚਨਾ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕਿਸੇ ਵੀ ਵਿਸ਼ੇ ਤੇ ਖੁੱਲ੍ਹ ਕੇ ਚਿੰਤਨ ਕਰਨ ਅਤੇ ਲਿਖਣ ਦੀ ਕਲਾ ਤੋਂ ਜਾਣੂ ਕਰਾਇਆ ।
- CO 5: ਕਵਿਤਾ ਦੀ ਸੁੰਦਰਤਾ ਵਧਾਉਣ ਅਤੇ ਉਸ ਵਿਚ ਛਿੱਪੇ ਅਰਥਾਂ ਨੂੰ ਸਮਝਣ ਲਈ ਅਲੰਕਾਰਾਂ ਦੇ ਮਹੱਤਵ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕੀਤੀ ।
- CO 6: ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਲਈ ਇਕ ਸ਼ਬਦ ਅਤੇ ਸਾਹਿਤਕ ਸ਼ਬਦਾਵਲੀ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਬੌਧਿਕ ਵਿਕਾਸ ਵਿਚ ਵਾਧਾ ਕੀਤਾ ।

ਸਮੇਸਟਰ- ਪੰਜਵਾਂ

**Paper: EP 25 Punjabi Elective**

- CO 1: 'ਕਾਵਿ-ਜੋਤਾਂ' ਵਿਚ ਸ਼ਾਮਲ ਕਵੀਆਂ ਦੇ ਸਾਹਿਤਕ ਜੀਵਨ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਦੱਸਿਆ ਅਤੇ ਇਨ੍ਹਾਂ ਦੁਆਰਾ ਰਚਿਤ ਕਵਿਤਾਵਾਂ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਉਨ੍ਹਾਂ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਗੁਰਮਤਿ, ਸੂਫੀ, ਕਿੱਸਾ ਅਤੇ ਬੀਰ ਕਵਿਤਾ ਨਾਲ ਜੋੜਿਆ ।
- CO 2: 'ਗੱਦ ਦਰਪਣ' ਵਿਚ ਸ਼ਾਮਲ ਨਿਬੰਧਕਾਰਾਂ ਦੇ ਸਾਹਿਤਕ ਜੀਵਨ ਦੀ ਪੜਚੋਲ ਕਰਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਰਚਿਤ ਨਿਬੰਧ ਦੇ ਵਿਸ਼ੇ-ਵਸਤੂ ਅਤੇ ਸਾਹਿਤਕ-ਮੁਲਾਂਕਣ ਦਾ ਬੋਧ ਕਰਾਇਆ ।
- CO 3: 'ਕਾਵਿ-ਰੂਪ' ਦੇ ਅੰਤਰਗਤ ਮੱਧਕਾਲੀਨ ਪੰਜਾਬੀ ਕਾਵਿ ਦੇ ਵਿਭਿੰਨ ਕਾਵਿ-ਰੂਪ ਦੀ ਬਣਤਰ ਦਾ ਗਿਆਨ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪ੍ਰਦਾਨ ਕੀਤਾ।
- CO 4: ਅਨੁਵਾਦ ਦੇ ਅੰਤਰਗਤ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਹਿੰਦੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿਚ ਅਨੁਵਾਦ ਕਰਨਾ ਸਿਖਾਇਆ ।
- CO 5: ਵਿਪਰੀਤ ਅਰਥਕ ਸ਼ਬਦਾਂ ਦੇ ਗਿਆਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਚਿੰਤਨ ਸ਼ਕਤੀ ਨੂੰ ਵਧਾਉਣ ਦਾ ਪ੍ਰਯਾਸ ਕੀਤਾ ।

ਸਮੇਸਟਰ- ਛੇਵਾਂ

**Paper: EP 26 Punjabi Elective**

- CO 1: 'ਕਾਵਿ-ਜੋਤਾਂ' ਵਿਚ ਸ਼ਾਮਲ ਕਵੀਆਂ ਦੁਆਰਾ ਰਚਿਤ ਕਵਿਤਾ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਉਨ੍ਹਾਂ ਦੁਆਰਾ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਗੁਰਮਤਿ, ਸੂਫੀ, ਕਿੱਸਾ ਅਤੇ ਬੀਰ ਕਾਵਿ ਵਿਚ ਪਾਏ ਯੋਗਦਾਨ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣੂ ਕਰਾਇਆ ।

- CO 2: ਇਸ ਪੁਸਤਕ ਵਿਚ ਸ਼ਾਮਲ ਕਵਿਤਾਵਾਂ ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਅਧਿਆਤਮਵਾਦ, ਰਹੱਸਵਾਦ, ਇਸ਼ਕ ਹਕੀਕੀ ਅਤੇ ਬੀਰਤਾ ਲਈ ਪ੍ਰੇਰਿਤ ਕੀਤਾ ।
- CO 3: ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (ਆਰੰਭ ਤੋਂ 1700 ਤੱਕ) ਨੂੰ ਆਧਾਰ ਬਣਾ ਕੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਦਿ ਕਾਲ ਵਿਚ ਰਚਿਤ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਵਿਭਿੰਨ ਧਾਰਾਵਾਂ ਦਾ ਅਧਿਐਨ ਕਰਾਇਆ।
- CO 4: ਮੱਧਕਾਲ ਵਿਚ ਰਚਿਤ ਸੂਫੀ-ਕਾਵਿ, ਗੁਰਮਤਿ-ਕਾਵਿ, ਕਿੱਸਾ-ਕਾਵਿ, ਬੀਰ-ਕਾਵਿ ਅਤੇ ਵਾਰਤਕ ਤੋਂ ਜਾਣੂ ਕਰਾਇਆ ।
- CO 5: ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਕਾਸ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕੀਤੀ।
- CO 6: ਮੱਧਕਾਲ/ਮੁਗਲ ਕਾਲ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ 'ਸੁਨਿਹਰੀ ਕਾਲ ਕਿਉਂ' ਕਿਹਾ ਜਾਂਦਾ ਹੈ, ਬਾਰੇ ਜਾਣੂ ਕਰਾਇਆ ।
- CO 7: ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਵਿਭਿੰਨ ਰੂਪਾਂ ਦੀ ਬਣਤਰ ਬਾਰੇ ਚਰਚਾ ਕੀਤੀ ।
- CO 8: ਪੰਜਾਬੀ ਤੋਂ ਹਿੰਦੀ ਵਿਚ ਅਨੁਵਾਦ ਬਾਰੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕੀਤੀ ।
- CO 9: ਵਚਨ ਅਤੇ ਲਿੰਗ ਦੇ ਗਿਆਨ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਸਹੀ ਵਰਤੋਂ ਦਾ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਅਧਿਐਨ ਕਰਾਇਆ ।

### **B.A. Health and Physical Education**

#### **Course Outcomes (COs)**

##### **Semester- I**

##### **Paper: PE 21**

- CO 1: Students are enabled to understand the meaning, scope, aim and objectives of physical education in relevance to modern society.
- CO 2: Students learn about the importance and misconceptions regarding physical education.
- CO 3: Students be acquainted with the role and importance of person hygiene to maintain proper health. Students also learn about factors affecting health and personal hygiene.
- CO 4: Students can acquire knowledge about the concept of Yoga; its types and importance for healthy living.
- CO 5: Students learn about the relationship between human anatomy and physiology with physical education.

##### **Semester- II**

##### **Paper: PE 22**

- CO 1: Students are enabled to understand the subject matter of first aid, its aim, objectives and applications in common injuries.



CO 2: Students learn about the historical aspects of physical education: Pre and Post-independence of India. State and National sports policy.

CO 3: Gain knowledge about meaning, importance, components and principles of physical fitness.

CO 4: Students study the concept of bones and joints in human body.

### **Semester- III**

#### **Paper: PE 23**

CO 1: Students get to know the concept of safety education, sports injuries and their general treatment.

CO 2: Students learn thoroughly about communicable and non-communicable diseases.

CO 3: Students get to know about meaning, importance and components of balanced diet and also about factors affecting it.

CO 4: Students understand the structure and functioning of heart and role of exercise in maintaining heart health.

### **Semester- IV**

#### **Paper: PE 24**

CO 1: Students learn meaning, types, significance and physiological aspects of warming up and cooling down.

CO 2: Students understand the concept of sports psychology, laws and learning curve.

CO 3: Students learn about the major sports events like Asian games, Commonwealth games, Ancient Olympic Games and Modern Olympic games.

CO 4: Students be acquainted with the respiratory system and role of exercise on respiratory system.

### **Semester- V**

#### **Paper: PE 25**

CO 1: Students understand the meaning, stages, principles and factors influencing growth and development.

CO 2: Students learn about the role of sports organization and administration in sports activities.

CO 3: Students be acquainted with the concept of posture and its relevance in sports activities and posture deformities.

CO 4: Students learn about the gross anatomy of muscles, muscular system, composition of human blood and its function.

### **Semester- VI**

**Paper: PE 26**

CO 1: Students understand the concept of motivation and socialization for sports persons.

CO 2: Students get acquainted with the role of sports training and its types meaning of doping and its effects on health.

CO 3: Students learn about the sports Biomechanics and role of Newton's laws and levels in sports.

CO 4: Students gain knowledge regarding digestive system; its organs, structure, mechanism of food digestion and role of exercise on digestive system.

**B.A. Political Science****Course Outcomes (COs)****Semester- I****Paper: PS 21 (I) Indian Constitution**

CO 1: Students are introduced to the Indian Constitution with a focus on the role of the constituent assembly and examine the essence of Preamble.

CO 2: Students examine the Fundamental Rights and Duties of Indian citizens with a study of the significance and status of Directive Principles.

CO 3: Students can critically analyze the important institution of the Indian Union: the Executive: President, Prime Minister, Council of Minister, Governor, Chief Minister, the legislature: Rajya Sabha, Lok Sabha, Speaker, Committee System, State Legislature and also the working of Gram Panchayat, Gram Sabha and duties of the Sarpanch has the executive knowledge about the need and mechanisms of the constitutional amendments.

CO 4: Students will get to know that judiciary is an important pillar of our successful democracy. The content will make students aware of the judiciary levels—Supreme Court and the High Courts: composition and functions-- Judicial Activism.

**Semester- II****Paper: PS 22(I) Indian Politics (Option i)**

CO 1: Indian being a federal state with unitary features, students will learn about Centre State relations. Principles of healthy federation and also sharing of powers and revenue between Centre and States.

CO 2: Evaluating the Electoral Process in India with focus on the Election Commission Composition, Functions and roles.

CO 3: Critically evaluating the Indian Party System, its development and looking at the ideology of dominant National Parties.

CO 4: Evaluating the role of various forces on Indian Politics, religion, language, Caste, Tribe and regionalism.

### **Semester- III**

#### **Paper: PS 23(ii) Indian Political Thinkers (Option ii)**

CO 1: Tracing the evaluation of Indian Political Thinkers from ancient India to modern India.

CO 2: Analyzing the nationalist thinkers of Raja Ram Mohan Roy.

CO 3: Assessing the nationalist Thinker of Vivekananda.

CO 4: Tilak was one of the first and strongest advocates of Swaraj (Self-Rule) and a strong radical in Indian consciousness.

### **Semester- IV**

#### **Paper: PS 24(II) Indian Political Thinkers (option ii)**

CO 1: Discussing the nationalism of Gandhi. Social changes due to working of democracy and for applying Gandhian Model and the concept of the Welfare State.

CO 2: Describing the movements against caste and untouchability, Ambedkar's views in social justice and the class.

CO 3: Liberal democracy and its benefits, necessity of a democracy which develops inclusive society and all have equal rights to take part.

### **Semester- V**

#### **Paper: PS 25(I) Comparative Politics (option i)**

CO 1: Need and significance of politics for modern state and comparison of different political systems in the world.

CO 2: Knowledge about various approaches of comparative politics and relevance in changing political setup and political equations.

CO 3: Knowledge about basis of Constitutionalism and different types of Constitution and problems in constitutionalism.

CO 4: Inter-linkage and interdependence of pillars of democracy- Executive, Legislative and Judiciary. The pressure groups and the political parties.

### **Semester- VI**

#### **Paper: PS 26(I) Comparative constitutions of UK and USA (option i)**

CO 1: Fundamental and significance of constitutions of the UK and USA in the Indian context and also the socio-economic basis in democracies.

CO 2: Making a comparative analysis of the following constitutions of UK and USA legislature Executive and Judiciary.

CO 3: The constitution of UK and USA role in keeping democracy transparent and also the role of the pressure groups and political parties.

CO 4: The electoral process in UK and USA and its transparency, people attitude towards franchising and consciousness towards politics, the quality and levels of bureaucracy in UK and USA.

### **B.A. History**

#### **Course Outcomes (COs)**

##### **Semester- I**

##### **Paper: HR 21(I) Ancient India (Option i)**

CO 1: Students would have gained knowledge about meaning, concept, scope and area of History.

CO 2: Students must have acquired knowledge about Stone Age and different stages of human development.

CO 3: Students would have gained sufficient knowledge about Ashoka's administration and his Dhamm Policy.

CO 4: Students will acquire knowledge about Harappan and Vedic Civilization.

CO 5: Students are enabled to understand the maps of important sites of Harappan Civilization, extent of Ashoka's Empire and Pillars Edicts, Ports, Trade routes of ancient India, extent of Harshvardhana's and Kanishka empire.

##### **Semester- II**

##### **Paper: HR22(I) History of India (600-1526 AD) (Option i)**

CO 1: Students will have an idea about the main Rajput Dynasties of Northern India as Pushyabhuti, Cholas, Rastrakutas and tripartient struggle.

CO 2: Students gain the knowledge of political condition of India on the eve of Turkish invasion and a special reference to Muhammad Ghajnavi and Muhammad Ghori.

CO 3: Students will gain knowledge about the nature of Delhi sultanate states in India, relation with Caliph, theory of kingship and ruling class.

CO 4: Students would have got how Bhakti Movement and Sufism brought in amity in place of enmity between Hindus and Muslims.

CO 5: Students are enabled to understand the maps of Sultanate state, as Allaudin Khilji reforms and Mohammad Bin Tughlaq's plans.

##### **Semester- III**

##### **Paper: HR23(I) Political History of India (1526-1857AD) (Option i)**

CO 1: Students will have an idea about the political condition of India on the eve of Babur's invasion, significance of battle of Panipat.

CO 2: Students would have gained knowledge about conquest of Shershah Suri, administration and land revenue system.

CO 3: Students will have an idea about Akbar's contribution in consolidation of Mughal rule.

CO 4: Students will be given knowledge of Mughal society, economy and liberal religious policy.

CO 5: Students acquire the knowledge about establishment of English East India company and trading mission, rivalry of French and British companies, results and importance of the battle of Plassey and Buxur.

CO 6: Students will understand the maps of major canters of uprising 1857 and political picture of India in the years 1520, 1605 and 1707.

#### **Semester- IV**

##### **Paper: HR24(I) Indian National Movement (Option i)**

CO 1: Students will gain knowledge about socio-political organization before the establishment of the Indian National Congress, aims and reactions of various classes and government towards Congress.

CO 2: Students will have the knowledge, emergence of Mahatma Gandhi, non-co-operation movement, Civil-disobedience and Quit India movement, Failure and impact of these movements.

CO 3: Students will have an idea about the causes, nature and programme of the revolutionary movement; A special reference to Gadar party and Bhagat Singh.

CO 4: Students gain knowledge about the Indian Council Act 1909, 1919 and 1935.

CO 5: Students will gain knowledge about circumstances of Indian National Army and Subhash Chander Bose.

CO 6: Students will get knowledge through the maps about area and major centers of Indian National Congress and revolutionary movement.

#### **Semester- V**

##### **Paper: HR25(I) Ancient and Medieval World (Option i)**

CO 1: Students gain knowledge about federalism system in Europe and its effects on European Political.

CO 2: Students will get knowledge about Renaissance and reformation in Germany and Italy.

CO 3: Students will gain knowledge about economic changing and merchanti system, aims and effects.

CO 4: Students will have idea about the knowledge of technical revolutionaries as industrial, agricultural, scientific and glorious revolution.

CO 5: Students will be enabled to understand maps of major centers of capitalism, mercantilism, reformation and renaissance in world's countries.

### **Semester- VI**

#### **Paper: HR23(I) Modern Worlds (Option i)**

CO 1: Students gain knowledge about renaissance and reformation in Italy and Germany.

CO 2: Students have an idea about the French and American Revolution.

CO 3: Students know about the circumstances of First World War and economic depression's effect on Europe and world's countries.

CO 4: Students gain knowledge about the political condition and organization in Europe in special reference to Nazizam and Facizam and World War II.

CO 5: Students understand the maps of major centres of renaissance and reformation, area of First World War and Second World War.

### **B.A. ECONOMICS**

#### **Course Outcomes (COs)**

##### **Semester-I**

#### **Paper: EC 21 Micro Economics-I**

CO 1: The course enables the students to analyse the economic agents i.e. consumers and firms at micro level.

CO 2: The students will be acquainted with theories of Demand and Supply.

CO 3: They will be acquainted with utility analysis both cardinal and ordinal.

CO 4: The course also provides detailed information about theories of Cost, Revenue and Break-Even Analysis.

##### **Semester-II**

#### **Paper: EC 22 Micro Economics-II**

CO 1: The course enables the students to learn about different market conditions prevailed in economy.

CO 2: The students will be acquainted with Price Discrimination, Product Differentiation, Selling Costs.

CO 3: Students will be acquainted with the equilibrium of firm in short period and long period in various market conditions.

CO 4: The course also provides detailed information about Marginal Productivity theory of distribution and wages, Theories of Rent and Interest.

### **Semester-III**

#### **Paper: EC 23 Macro Economics-I**

CO 1: Students will learn about nature, scope and importance of Macro Economics. They will be able to understand various concepts of National Income i.e. Gross Domestic Product (GDP), Gross National Product (GNP), Net National Product (NNP) and disposable income etc. through circular flow of income among various sectors, they will be able to understand how change in one sector affects another sector of economy.

CO 2: Study of Classical and Keynesian theory of income, employment and output is helpful for understanding of change of focus of economists from free market economy to government intervention in case of depression and to increase the growth rate of income by monetary policy and fiscal policy.

CO 3: With the help of complete study of consumption functions students can understand the importance of consumption in growth of economy. Consumption is important determinant of aggregate demand.

CO 4: By studying investment functions, marginal efficiency of capital, investment, one can easily understand the importance of investment and economic development and how investment decisions are made considering the expected rate of profit and cost of investment.

### **Semester-IV**

#### **Paper: EC 24 Macro Economics-II**

CO 1: By learning concept of multiplier and super multiplier students can learn the importance of investment for economic development.

CO 2: Course explains the base of monetary economics i.e. quantity theory of money, Keynesian liquidity theory of money and high-powered money.

CO 3: Objective of price stability can be achieved by learning theories of inflation, effects, types, causes and control of inflation.

CO 4: By studying theories of rate of interest and theories of business cycles, students will be able to understand trends of economy and business.

### **Semester-V**

#### **Paper: EC 25(I) Indian Economy-I (Option i)**

CO 1: Course explains the nature of capitalist, socialist and mixed economy, developed and underdeveloped economy, characteristics and major issues of Indian Economy.

CO 2: Students will be able to understand major problems of Indian Economy i.e. over population. Effects of overpopulation on economic development can be understood by studying about size, growth, features, causes and measures to control population.

CO 3: Understanding of the problem of poverty and unemployment will make the students able to deal with issues related with these problems and find out methods to deal with such problems.

CO 4: To learn agriculture sector of India and problems of development through agriculture is useful for students to make India developed country by reducing the dependence on agriculture. Study of Special Economic Zones is also useful to understand the efforts of government to promote industries and foreign trade.

### **Semester-V**

#### **Paper: EC 25(III) Economics of Development-I (Option iii)**

CO 1: Objective of the course is to acquaint students with the growth process of economy, problems of economy, use of Index numbers to understand the position of economy.

CO 2: The students will be acquainted with the problems of poverty and population and one of the best uses of economics to provide solutions to economic problems i.e. poverty, unemployment and population.



CO 3: Modules incorporated in this paper are devoted to the theories of growth and various models given by eminent economists to teach students how an underdeveloped can become developed one.

CO 4: Students will also understand traditional and UNDP indices for measurement of development and how these indices are prepared.

### **Semester-VI**

#### **Paper: EC 26(I) Indian Economy-II (Option i)**

CO 1: After completing this course students will have the knowledge of industries, industrial policy, industrial labour, industrial disputes and social security measures. Students can understand the environment in which business is run and future of Economy after studying planning, foreign sector, FDI, FII, MNCs and foreign institutions.

CO 2: Students will be able to understand industrial development of India and importance of knowledge-based economy and details of social security measures.

CO 3: Role of planning in Indian Economy is important to understand the ways to achieve economic development.

CO 4: After studying foreign sector, foreign investment and foreign institutions, students will understand Globalization.

### **Semester-VI**

#### **Paper: EC 26(III) Economics of Development-II (Option iii)**

CO 1: Objective of this paper is to aware students about development process, structural shifts with development among various sectors of economy i.e. agriculture, industry and service sector.

CO 2: The course helps to understand the importance of foreign sector, terms of trade and gains from trade.

CO 3: Students will understand the linkage between environment and economy and common property resources. Importance of environment will also be understood by studying sustainable development.

CO 4: Students will be acquainted with the role of state and relevance of planning.

## B.A. Mathematics

### Course Outcomes (COs)

#### Semester I

##### Paper: BM 111 Algebra

CO 1: Student will learn to find the roots of the quadratic, cubic and biquadratic equations as well as solution of various linear equations, fraction equations etc.

CO 2: Using Matrices, Various types of equations can be solved.

CO 3: General strategy of equation solving to the problems of optimization, Business and Logical problems, grouping system can be utilized.

##### Paper: BM 112 Calculus

CO 1: Concept of limit, continuity and differentiability is used to analyze the graph, extrema of function by classifying maxima, minima inflexive nature.

CO 2: Anti derivative i.e. integration and its applications are useful for evaluating quadratic and other applied problems.

CO 3: Concept of trigonometric, exponential, Logarithmic functions, inverse functions, hyperbolic functions and their application is helpful to many real-world situations.

##### Paper: BM 113 Solid Geometry

CO 1: It emphasis the study of points, lines, shapes, and regions of solids and surface identification.

CO 2: Considering various parameters, different geometrical figures and shapes can be traced.

#### Semester- II

##### Paper: BM 121 Number Theory and Trigonometric

CO 1: Number theory is helpful to students to understand the concept of prime numbers, prime factors, congruence's, quadratic residues, Fermat's theorem, Chinese remainder theorem for solution of simultaneous equations.

CO 2: Number theory plays a vital role to coding and decoding system i.e. cryptography which is used to protect the electronically transmitted data.

CO 3: Knowledge of trigonometric, exponential and hyperbolic functions is used to find the  $n^{\text{th}}$  roots of equations.

**Paper: BM 122 Ordinary Differential Equations**

CO 1: It shows awareness about the classification, formation and solution of various initial and boundary value differential equations.

CO 2: Students will learn to solve homogeneous, Non-homogenous differential equation which is useful to real world scenario of applied physics, modeling, numerical solutions of various problems etc.

**Paper: BM 123 Vector Calculus**

CO 1: It helps to understand the nature of quantities having magnitude and direction i.e. differentiating between scalar and vector quantities.

CO 2: Students will learn cross product, dot product, scalar triple and vector triple product for finding the type of vectors e.g. orthogonal, irrotational and solenoidal nature.

CO: 3 Green's theorem, Stoke's theorem etc. are used to evaluate multiple integrals.

**Semester- III****Paper: BM 231 Advanced Calculus**

CO 1: Students will be able to learn maxima and minima of functions of two variables.

CO 2: To understand different indeterminate forms of limit, continuity, discontinuity of functions of two variables.

CO 3: It will help to understand behavior of curves in space.

**Paper: BM 232 Partial Differential Equations**

CO 1: Student will learn classification and solution of partial differential equations by conditions at boundary of the domain with different methods.

CO 2: To derive wave, heat equation etc. in one-dimensional and two- dimensional.

CO 3: To classify Partial differential equations and transform into canonical form.

**Paper: BM 233 Statics**

CO 1: Students will learn the basic concept of mechanics, equilibrium of rigid bodies.

CO 2: Students will understand the ability to isolate rigid bodies and to draw clear and appropriate free body diagrams.

CO 3: Students will analyze equilibrium conditions under the effect of the external forces acting on the rigid and to simplify different problems using the basic principles of mechanics.

#### **Semester- IV**

##### **Paper: BM 241 Sequences and Series**

CO 1: Students will learn the concepts of sequences, their types i.e. finite, infinite, bounded, monotonic, convergent, divergent sequence etc.

CO 2: Students will understand the concept of infinite series, sequence of partial sums, and their convergence/divergence using concepts of sequences, sum of convergent series.

CO 3: Students will learn various tests like p-series test, comparison tests, alternating series test, root test, ratio test to check the convergence or divergence of sequences and series.

##### **Paper: BM 242 Special Functions and Integral Transform**

CO 1: Students will learn to analyze the properties of special functions by their integral representations.

CO 2: Student will learn the concepts of solving differential equations by the properties of Fourier Transform, Laplace Transform.

CO 3: Students will determine the properties of Legendre's polynomial which may be solved by application of special functions.

##### **Paper: BM 243 Programming in C & Numerical Methods**

CO 1: Students will be able to learn effective usage of arrays, structures, functions, pointers etc.

CO 2: Students will study different numerical methods to solve algebraic, transcendental equation, linear system of equations.

CO 3: Students will learn practical knowledge of C to apply it to learn the solution of various equations.

#### **Semester- V**

##### **Paper: BM 351 Real Analysis**

CO 1: Students will understand the concepts of real numbers, least upper bounds, greatest lower bounds, countable and uncountable sets, limit inferior, superior and limit of sequences.

CO 2: Students will learn metric spaces, open, closed, connected, bounded, totally bounded or compact sets in metric spaces.

CO 3: Students will learn continuity, discontinuity, uniform continuity of functions in metric spaces.

**Paper: BM 352 Groups and Rings**

CO 1: Students will understand different algebraic properties in different sets and identify sets under binary operation is group or not, abelian group, subgroups fundamentals theorem of group etc.

CO 2: Students will learn the concepts of rings, fields, unique factorization domain, integral domains and their various properties.

CO 3: Students will study permutation group, symmetries, products and various operations of cycles.

**Paper: BM 353 Numerical Analysis**

CO 1: To understand theoretical and practical aspects of the use of numerical analysis that will be used in the field of Sciences and in Engineering.

CO 2: Students will learn various methods of numerical integration, approximation, differentiation, numerical solution of ordinary differential equations.

CO 3: Student will learn methods of solution of equation, matrix inversion, calculation of Eigen values and Eigen vectors and will be able to find the numerical approximations and error estimation in a range of problems.

**Semester- VI**

**Paper: BM 361 Real and Complex Analysis**

CO 1: Students will learn to visualize complex numbers as points of  $\mathbb{C}$  and stereographic projection of complex plane in Riemann sphere.

CO 2: Students will understand the concept of complex functions, analytic functions, Cauchy-Riemann equations and results of harmonic functions and their properties.

CO 3: Students will understand Jacobians, Beta, Gamma functions, double and triple integral, Fourier series etc.

**Paper: BM 362 Linear Algebra**

CO 1: Students will learn algebraic and geometric representation of vectors in  $\mathbb{R}^n$  and their various operations in matrix algebra, vector spaces etc.

CO 2: Students will understand to determine rank, determinant, Eigen values, diagonalization, orthogonality and orthonormality of vectors.

CO 3: Students will learn dimension, basis of vector space, matrix representing a linear transformation under a given basis and will determine how the matrix changes if the basis is changed.

**Paper: BM 363 Dynamics**

CO 1: Students will be able to draw free body diagram for a particle or for a rigid body in plane motion, will understand the concepts of mass, velocity, acceleration, force, work and energy etc.

CO 2: Students will learn to analyse the general motion of rigid body on smooth and rough planes.

CO 3: Students will learn Kepler's laws of planetary motion and will be able to solve various problems of applied physics and mechanical engineering.

**B.A. Music Vocal**

**Course Outcomes (COs)**

**Semester-I**

**Paper: MV 21 Music Vocal**

CO 1: Music is one of the most profound human achievements and serves as universal sound which can create emotions and express feelings.

CO 2: A Raag is melodic framework for improvisation kin to a melodic mode in Indian classical music. Yaman Alhaiya- Bilawal and Raag Bhupali is a musical theme created by choosing a specific set of notes from within an octave.

CO 3: Each Raag is said to be originated from a Thaata. A Thaata can be simplified to a set of Swar. Various basic definitions give shape to different Raagas.

CO 4: The history of music in India can be traced back to the vedic times. The earliest ragas owe its origin to the Saamved.

CO 5: Relationship of Folk and Classical music is important as it tunes down the complexities of modern instrumentation and takes it back to basics. It gives the students an ability to focus on just honing his/her skills on just a couple instruments.

CO 6: Contribution of music in scholarships towards classical music inspires the students that making a career out of this talent, demands regular devoted practice.

## **Semester-II**

### **Paper: MV 22 Music Vocal**

CO 1: Music internals in Hindustani classical music. Beginners are sometimes overwhelmed with the richness of Hindustani (North Indian) Classical Music as they attempt to understand it better.

CO 2: Singing of Raag Hamiri, Varindavani Sarang and Kaafi (Classical Music). The students will feel that music also soothes the mind.

CO 3: Different Gaayan- Shailies make the students feel that music has the power to move us because it can speak our deepest emotions through the moods it creates.

CO 4: Kanth sangeet students will study that Margi Music literally means “Music of the Path” and desi music refers to its components as Geet, Vadya and Nritya.

CO 5: Music vocal learners will be getting advantages of learning Hindustani Classical music to know about Gayakon ke Gun-Dosh.

CO 6: The role of music in national integration and contribution towards Indian music by music maestro will be very inspirational factors for music students.

CO 7: Riyaz of slow and Dreul-Khayal of prescribed Ragas.

## **Semester-III**

### **Paper: MV 23 Music Vocal**

CO 1: The very heart of Indian music is the Raga-which refers to the melody and Tala-which refers to the rhythm. Classical ragas of Indian music are many and each has its distinctive qualities.

CO 2: Dhrupad, Dhamar, Khyal and Thumri gayan shailies singing involves single-minded devotion and lifelong commitment. Students will learn to sing ragas and gayan.

CO 3: One of the most favourite things about the Hindustani classical music is that you learnt it very much the way you would learn a language like placement of swaras on shruti by music scholars and various definitions.

CO 4: The tradition of Indian Classical Music is an oral one. It is taught directly by the Guru like Ustad Bade Ghulam Ali Khan and pandit Mallikarjun Mansoor to their disciple (guru shishya parampara).

CO 5: Role of sentence promoted educational cultural aspects of music among classical music beneficiaries.

#### **Semester-IV**

##### **Paper: MV 24 Music Vocal**

CO 1: Raaga means "Color" or "Passion". In the classical music of India, a melodic framework for improvisation and composition Four Ragas in this semester is based on a scale with a given set of notes, a typical order in which they appear in melodies and characteristic musical motifs.

CO 2: Tappa and various gaayan shailies will be learned to sing gram, murchhana, tanpura, sahayak-naad etc with definitions.

CO 3: Students will do practically how swars on shrutis were placed by pandit pundrik vitthal and ramamatya.

CO 4: Students will learn to sing vilambit and dreut-khyala in prescribed ragas.

CO 5: Ability to demonstrate various talas with reciting bils by hand in layakartey.

CO 6: Ability to play syllabus taal on tablas.

CO 7: Contribution towards music by music maestros.

CO 8: History of music in medievel-period will enrich the student's aptitude for historical value of Indian classical music.

#### **Semester-V**

##### **Paper: MV 25 Music Vocal**

CO 1: Students will learn to riyaz the prescribed ragas of this semester from performance point of view with rasa theory. The basic component of ragas can be written down in the form



of a scale (in some cases differing in ascent and descent). By using only these notes, by emphasizing certain degrees of the scales and by going from note to note in ways characteristic to the Raga. The students set out to create a mood or atmosphere (Rasa) that is unique to the raga in question. (Set to different talas also).

- CO 2: When students learn a new raga, they notate a few basic melodic phrases, patterns and simple compositions in that raga so that they can be recall them later.
- CO 3: Students will study that music is an abstract fine art because it is individual's emotions, expressions and creativity.
- CO 4: Students will know about teaching through Ghrana (the place where musical ideology originated) and education institutions by music scholars.
- CO 5: Music learners will study above-time theories of raga which has properties to enhance emotional impact that classical vocal can bring in.
- CO 6: Indian classical music has two foundational elements, raga and taalas occupies an important position in the Indian system of classical music.

### **Semester-VI**

#### **Paper: MV 26 Music Vocal**

- CO 1: Students will feel by singing prescribed ragas that each raga traditionally has an emotional significance and symbolic association such as with season time and mood.
- CO 2: Rhyme/ talas plays an important role in classical music giving texture, sensuality and a sense of purpose to melody by listening the recording/live performances of music scholars.
- CO 3: Historical survey of Indian Music from 17 to 19 century.
- CO 4: Students will be benefitted to know how voice culture covers the all voice related things like voice flexibility, ensures control of breath, uniformity, clarity in voice etc.
- CO 5: Elementary knowledge of the folk music of Haryana and Punjab.
- CO 6: Classification of instruments during vedic, Medieval and modern period.
- CO 7: Riyaz and Vilambit and dreut khyals of prescribed ragas and ability to play syllabus talas on hands and table also.

**B.A. Music Instrumental**

**Course Outcomes (COs)**

**Semester-I**

**Paper: MI 21 Music Instrumental**

- CO 1: पाठ्यक्रम में दिए गए रागों के भावपक्ष व स्वरूप की ऐतिहासिक जानकारी छात्रों को देना ताकि वे रागों का अभ्यास भावपूर्ण ढंग से कर सकें।
- CO 2: सुप्रसिद्ध सितार वादकों की जीवन शैली तथा उसके सांगीतिक योगदान की पूर्ण जानकारी विद्यार्थियों को देना ताकि विद्यार्थी अलग-अलग घरानदार वादन-शैली की विशेषता ग्रहण कर सकें।
- CO 3: विद्यार्थियों को वैदिक काल से 12वीं शताब्दी के संगीत की ऐतिहासिक जानकारी प्रदान करना ताकि वे उसके महत्व को समझ सकें।
- CO 4: सितार की बनावट व उसके बजाने की तकनीक के बारे में छात्रों को जानकारी देना ताकि वे साज का सुरमय आनंद ले सकें।
- CO 5: छात्रों को लोक संगीत व शास्त्रीय संगीत के अन्तः सम्बंध को पूर्णतया समझाना जिसका शास्त्रीय-संगीत के प्रचार-प्रसार में विशेष महत्व है।
- CO 6: विद्यार्थियों को संगीत, नाद, श्रुति, स्वर, सप्तक, गत, झाला, तोड़ा, राग, थाट आदि की परिभाषा को बखूबी समझाना ताकि वे अपनी वादन-शैली में इसका प्रयोग कर सकें।
- CO 7: छात्रों को स्वरलिपि का महत्व बताते हुए राग यमन, अल्हैया बिलावल, भोपाली की रजाखानी गत, मसीतखानी गत को बजाना सिखाना ताकि वे रागों के भावपक्ष का अनुभव कर सकें।

**Semester-II**

**Paper: MI 22 Music Instrumental**

- CO 1: विद्यार्थियों ने पाठ्यक्रम में दिए गए रागों के स्वर व (लगने वाले स्वर इत्यादि) के विषय में जानकारी प्रदान करना ताकि वे रागों का समुचित अभ्यास कर सकें।
- CO 2: भारतीय संगीत में रागस्वर के चलन के आधार पर गायन व वादन का समय निर्धारण किया गया है। छात्राओं को इस विषय में जानकारी प्रदान करना क्योंकि संगीत के प्रस्तुतीकरण में समय-सिद्धांत का बहुत महत्व है।
- CO 3: छात्राओं को सूत घसीट, जमजमा, नायक-नायकी, वादी-संवादी विवादी की परिभाषाएं समझाना।
- CO 4: छात्राओं को सितार वादकों के गुण-दोषों के बारे में बताना ताकि वे एक अच्छे सितार वादक/वादिका बनने का प्रयास कर सकें।
- CO 5: विद्यार्थियों को वाद्यों की बनावट, आकार व उनकी वादन शैली के बारे में विस्तृत जानकारी देना ताकि वे अपने वाद्यों की ध्वन्यात्मक गुणात्मकता को समझ सकें।
- CO 6: विद्यार्थियों को संगीत कलाकारों की जीवनशैली व उनके सांगीतिक योगदान के विषय में समझाना ताकि वे उनके सांगीतिक रियाज एवं तप से प्रभावित हो सकें।
- CO 7: जनसंपर्क आदि माध्यमों का भारतीय शास्त्रीय संगीत की उन्नति में क्या भूमिका है, इसकी पूर्ण जानकारी छात्राओं को देना ताकि विद्यार्थीगण इन माध्यमों का प्रयोग अपने वादन को स्वरीय बनाने में कर सकें।
- CO 8: छात्राओं को तालों की संरचना व लयबद्धता के विषय में पूर्णरूप से जानकारी देना क्योंकि ताल एवं लय संगीत के महत्वपूर्ण अंग हैं।

**Semester-III**

**Paper: MI 23 Music Instrumental**

- CO 1: पाठ्यक्रम में वर्णित रागों के परिचय एवं ऐतिहासिक स्वरूप की विस्तृत जानकारी छात्राओं को देना ताकि वे रागों के समुचित स्वरूप को समझ सकें।
- CO 2: छात्राओं को स्वरलिपि का महत्व बताते हुए वाद्य पर बजाना सिखाया ताकि वे सुरों को सुन कर समझ सकें।
- CO 3: छात्राओं को तालों की संरचना व लयबद्धता के विषय में बेखूबी समझाना ताकि विद्यार्थियों का वादन बाल-पक्ष की दृष्टि से परिपक्व हो सके।
- CO 4: ख्याति प्राप्त सितार वादकों की जीवनशैली व विभिन्न स्तरों पर आधारित कार्यक्रमों में इनकी वादन की विशिष्टताओं के विषय में समझाना ताकि विद्यार्थी गुणात्मक वादन-शैली की ओर अग्रसर हो सकें।
- CO 5: छात्राओं को सितार वादन की विभिन्न शैलियों के बारे में विस्तृत जानकारी देना क्योंकि शैलियों के आधार पर ही विद्यार्थी सितार-वादन की तकनीकियों को अपनाएंगे।
- CO 6: स्वयंभूनाद (स्वयं से उत्पन्न नाद) के बारे में छात्राओं को बेखूबी समझाना ताकि रागों में छात्रगण स्वयंभूनाद का अनुभव कर सकें।
- CO 7: विद्यार्थियों को परमेल प्रवेशक राग, अल्ताफ-बहुत्व मसीतखानी गत, रजाखानी गत, ग्राम आदि संगीतात्मक विषयों के बारे में समझाना ताकि वे संगीत के शास्त्र-पक्ष से अवगत हो सकें।

#### Semester-IV

#### Paper: MI 24 Music Instrumental

- CO 1: पाठ्यक्रम में वर्णित रागव के स्वरूप व (लगने वाले स्वर इत्यादि) के विषय में जानकारी देना ताकि वे रागों का समुचित ढंग से अभ्यास कर सकें।

- CO 2: स्वरलिपि का महत्व बताते हुए राग शुद्ध कल्याण, खमाज केदार का विस्तृत परिचय बताना ताकि वे रागों के शास्त्रपक्ष को समझ सकें एवं रगानुसार (अपने वादन का अभ्यास करें) ।
- CO 3: छात्राओं को तालों की संरचना व लयबद्धता के विषय में पूर्णरूप से जानकारी प्रदान करना क्योंकि संगीत-गायन-वादन के ताल अभिन्न अंग हैं।
- CO 4: ख्याति प्राप्त कलाकारों की जीवनशैली व सांगीतिक योगदान की जानकारी छात्राओं को देना ताकि वे उनकी साधना वे तप से प्रभावित हो सकें।
- CO 5: छात्राओं ने सरोद, तबला, वायलिन आदि वाद्यों की बनावट एवं वादन शैली की विस्तृत जानकारी प्रदान करना ताकि वे वाद्यों की ध्वन्यात्मक गुणात्मकता को समझ सकें तथा अपने वादन का प्रभावशाली बना सकें।
- CO 6: आर्वीभाव-तिरोभाव, संधि प्रकाश राग, मूर्च्छना, अमीरखानी गत आदि संगीतात्मक विषयों के बारे में छात्राओं को अवगत कराना ताकि इन परिभाषाओं की महत्ता के आधार पर छात्राएं अपने वादन को परिष्कृत कर सकें।
- CO 7: विद्यार्थियों को आधुनिक काल में संगीत की शैक्षणिक एवं सांस्कृतिक उन्नति में विज्ञान की भूमिका के विषय में विस्तार समझाना ताकि वे अपने अभ्यास में उसका लाभ उठा सकें।
- CO 8: मध्यकालीन संगीत के इतिहास की महत्ता को विद्यार्थियों को भली भांति समझाना ताकि वे उस काल में हुए सांगीतिक विकास को समझ सकें एवं संगीत वादन के उत्तरोत्तर विकास का लाभ उठा सकें।

**Semester-V**

**Paper: MI 25 Music Instrumental**

- CO 1: पाठ्यक्रम में दिए गए रागों के ऐतिहासिक एवं शास्त्रीय परिचय की जानकारी छात्राओं को देना ताकि वे रागों के समुचित स्वरूप को समझ सकें।
- CO 2: स्वरलिपि का महत्व बताते हुए सितार वाद्य पर रागों को बजाना ताकि वे स्वरों को सुन कर समझ सकें।
- CO 3: छात्राओं को तालों की संरचना व लयबद्धता के विषय में पूर्णरूप से जानकारी देना क्योंकि संगीत में ताललयबद्धता की गायन-वादन की पूर्णता है।
- CO 4: अंतर्राष्ट्रीय ख्याति प्राप्त सितार वादक कलाकारों के संगीत जगत को दिए गए योगदान के विषय में छात्राओं को विस्तृत जानकारी देना ताकि वे उनके वादन की गुणात्मकता का अपने अभ्यास में प्रयोग कर सकें।
- CO 5: विद्यार्थियों ने स्वरलिपि पद्धति के उद्भव एवं विकास के बारे में विस्तार से समझाना ताकि वे अपने अभ्यास में उसका लाभ उठा सकें।
- CO 6: भारतीय वाद्यवृंद की उत्पत्ति एवं विकास के बारे में विद्यार्थियों को भलीभांति समझाना ताकि विद्यार्थीगण विभिन्न भारतीय वाद्यों का वादन कर सकें एवं भारतीय वाद्यवृंद में भाग ले सकें।
- CO 7: अंतर्राष्ट्रीय सांस्कृतिक-आदान-प्रदान में संगीत की भूमिका के विषय में छात्राओं को पूर्ण जानकारी देना ताकि वे शास्त्रीय संगीतोन्नति में इसके महत्व से लाभान्वित हो सकें।

### Semester-VI

#### Paper: MI 26 Music Instrumental

- CO 1: पाठ्यक्रम में वर्णित रागों के परिचय एवं ऐतिहासिक स्वरूप की विस्तृत जानकारी छात्राओं को देना ताकि वे रागों का अभ्यास भावानुसार कर सकें।

- CO 2: सुप्रसिद्ध सितार वादकों की जीवनशैली व विभिन्न स्तरों पर आयोजित कार्यक्रमों में वादन की विशिष्टताओं के विषय में बताना ताकि वे उनकी वादन शैली से प्रभावित हो सके तथा अपने सितार-वादन के अभ्यास को आगे बढ़ा सकें।
- CO 3: छात्राओं को स्वरलिपि का महत्व बताते हुए राग कामोद, बिहाग, देशकार, बहार, भीमप्लासी का विस्तृत परिचय बताना जिससे वे रागों के रासपक्ष को समझ सकें एवं रागों का प्रस्तुतीकरण अधिक अभ्यास पूर्ण बना सकें।
- CO 4: छात्राओं को तारों की संरचना व लयबद्धता के विषय में बखूबी यथोचित जानकारी देना क्योंकि राग वादन में ताल-लयबद्धता अनिवार्य अंग के रूप में प्रस्तुत होती है।
- CO 5: शास्त्रीय संगीत व इलेक्ट्रॉनिक मीडिया के विषय में छात्राओं को पूर्णरूपेण जानकारी देना ताकि वे वर्तमान समय में इसके महत्व को समझ सकें एवं अपने गायन-वादन में इसका लाभ उठा सकें।
- CO 6: विद्यार्थियों को 17वीं शताब्दी से 19वीं शताब्दी के दौरान भारतीय शास्त्रीय संगीत के विकास की जानकारी देना ताकि वे संगीत के ऐतिहासिक महत्व को समझ सकें, अपने शास्त्र-पक्ष को समृद्ध बना कर सकें।
- CO 7: छात्राओं को स्वरलिपि पद्धति की महत्ता बताते हुए इसके गुण व अवगुणों की भी विस्तृत जानकारी देना ताकि विद्यार्थी अपने वादन में केवल इसका यथोचित प्रयोग ही करें।

### **B.A. Computer Awareness**

#### **Course Outcomes (COs)**

#### **Semester-II**

#### **Paper: level I Computer Awareness**

- CO 1: This course will give an understanding of windows operating system, control panel, desktop, applications, files and folders in computer.

CO 2: This would be able to use word processor, create and edit document, formatting, advance features of MS word, charts etc.

CO 3: This would be able to use spread sheet, creating, editing and formatting spread sheet, and formula and functions, and creating charts in MS excel.

CO 4: This would be able to use power point presentation, creating, manipulating and enhancing slides, animations, and inserting different sound effects.

CO 5: At the end of this course, Students will be able to create emails, send and view emails, and send an attachment. Students will also understand the concept of internet, search engine and web browser.

### **B.A. Environment Studies**

#### **Course Outcomes (COs)**

#### **Paper: Environment Studies**

#### **Semester-II**

CO 1: Course offered at UG level compulsory for all streams aim to shape the mind of students sensitive towards environment & their surroundings.

CO 2: Students learn how environment studies is a multi-disciplinary in nature & how it is connected to other branches of humanities, commerce & science.

CO 3: Students gain knowledge different natural resources, renewable & non-renewable resources, their utilization & deletion, ecosystems & their interaction with each other.

CO 4: Familiarity arises among students for biodiversity of flora and fauna and its conservation.

CO 5: Major social issues as pollution, global warming, green-house effect, water conservation draws the attention of students.

CO 6: Some other issues such population explosion Human rights, AIDS, drugs are also there to increase awareness among students.



### **Programme Outcomes (POs) for B.A.**

After completing the graduation in the faculty of Arts the students have:

- PO 1: Acquired the knowledge with facts and figures concerned with the subjects such as History, Political Science, Economics, Home Science, Psychology, Mathematics and Languages etc.
- PO 2: Understood the basic concepts, fundamental principles and various theories in the above- mentioned subjects.
- PO 3: Gained analytical ability by studying Mathematics, Economics and Psychology.
- PO 4: Realized the importance of literature in terms of aesthetics, mental, moral and intellectual development of an individual by studying Hindi, English, Sanskrit and Punjabi languages.
- PO 5: Gained ability to perform as soloists, ensemble members and chamber musicians at appropriate levels after graduating in Music (Vocal) and Music instrumental.
- PO 6: Maintained a health enhancing level of fitness throughout the programme as well as to be able to collect and analyze personal fitness data after studying the subject Physical Education.
- PO 7: Learnt family relations, community living, art, food, nutrition, clothing, textiles and home management by studying practical subjects Home Science.

### **Programme Specific Outcomes (PSOs) for B.A.**

After completing the graduation in the faculty of Arts the students have:

- PSO 1: Appreciated that social issues are no longer permanent and largely depend on political and social changes.
- PSO 2: Become eligible for competitive exams for higher studies and job in private and public sector after graduation in Arts.

PSO 3: Emerged as a multifaceted personality who is self-dependent; earning her own bread and butter and also creating opportunities to do so.

PSO 4: Convinced herself that the study of literature and Social sciences are not only helpful to evolve better individual and better society but also helpful to make the life of an individual happier and more meaningful.

PSO 5: Become efficient to contribute in the society by providing their skills and awareness of psychotherapy and home-making after studying practical i.e. Home Science and Psychology.

PSO 6: Helped to demonstrate the understanding and use of public performance as a means for engaging communities, creating cultural awareness and providing ethical leadership.

PSO 7: Written articles, novels, stories to spread the messages of equality, nationality, social harmony and other human values.

PSO 8: Developed various communication skills such as reading, listening, speaking etc. which will be helpful in expressing ideas and views clearly and effectively.

### **COURSE OUTCOMES**

**Name of Programme: B.A. Vocational (Functional English)**

**Semester: I**

**Paper: FE 21 Functional English**

CO 1: Students will be able to understand Phonetics and Remedial grammar.

CO 2: In the first semester, students will learn IPA symbols in Phonetics. They will come to know how to transcribe the words into phonetics.

CO 3: Through the topic of speech mechanism, they learn how the sounds are produced with different organs of speech.

CO 4: Students are able to know correct pronunciation of words.

CO 5: Phonetics also enhances the vocabulary of the students.

CO 6: In the grammar section they learn the parts of speech, tag questions, difference between adverbs and adjectives etc.

### **Semester: II**

#### **Paper: FE 22 Functional English**

CO 1: Students will be able to understand Phonetics and Remedial grammar.

CO 2: In the second semester students learn about Accent and Rhythm.

CO 3: Students also learn the pitch variation included in Intonation.

CO 4: Students are able to know the falling-rising tone in sentences.

CO 5: In the grammar section students learn about Tenses, Spotting Errors etc.

CO 6: Students also learn the stress marking on words.

### **Semester: III**

#### **Paper: FE 23 Functional English**

CO 1: Through this course students will learn communication English.

CO 2: This course develops writing skills in students.

CO 3: This course is aimed at an understanding of the development of the English language and the structure of modern English.

CO 4: This subject familiarizes the students with the application of language in various aspect of our lives.

### **Semester: IV**

#### **Paper: FE 24 Functional English**

After completing this course, the learners will be able to:

CO 1: Learn about the process and principles of effective communication.

CO 2: Develop their skills of verbal and non-verbal communication.

CO 3: Develop confidence in oral and interpersonal communication with the practices of dialogue writing.

CO 4: Understand the role of ICT and media in communication.

### **Semester: V**

#### **Paper: FE 25 Functional English**

CO 1: Students will get knowledge about the different poets and their poetry related to different themes of the book titled as 'Fifteen Poets'.

CO 2: Students will be able to practice the use of language that is needed in their academic and professional pursuits through letter writing and faxes.

CO 3: Students will get technical knowledge i.e. how to scan letters and faxes for specific information. Students will learn the business language through abbreviation and phrases commonly used in business correspondence.

CO 4: Students will be able to write letter in different fields and to prepare resume for specific purpose.

### **Semester: VI**

#### **Paper: FE 26 Functional English**

CO 1: Students will be able to prepare a company performance report and market survey project report.

CO 2: Students will be able to know about well-known business personalities.

CO 3: Reading and reasoning skills of students will be developed by summarizing business report.

CO 4: Students will be able to write essays on burning topics.

CO 5: Writing skills of the students will be improved through precise writing.

#### **Programme Outcomes (POs) for B.A. Vocational (Functional English)**

After the completion of B.A. with Functional English the students are able to:

PO 1: Use correct English in oral as well as written form.

PO 2: Interpret and compare literary works of the great writers and philosophers by using their logic and literary competency.

PO 3: Nurture themselves in soft skills and develop research aptitude.

PO 4: Acquire the knowledge and gain analytical ability by studying subjects such as History, Economics, Political Science, Economics, Home Science, Psychology, Mathematics, etc with Functional English.

PO 5: Enable to use English language for their own personal and professional needs and success.

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### **Programme Specific Outcomes (PSOs) for B.A. Vocational (Functional English)**

After the completion of B.A. with Functional English the students are able to:

PSO 1: Have ample exposure to and experiences in the use of English in different professional domain.

PSO 2: To use English accurately, appropriately and fluently. With this familiarizes with the sounds of English and their symbols.

PSO 3: Be motivated for their further education and final jobs for their livelihood.

PSO 4: Have excellent communication skills that enhance employability.

PSO 5: Equipped with great command over all macro skills in English which make them use English accurately, appropriately and fluently.

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### **COURSE OUTCOMES**

**NAME OF PROGRAMME: B.COM (GENERAL AND SFS)**

**Semester- I**

**Paper: BC 101 Financial Accounting –I**

CO 1: It helps the students to understand Book-keeping, Accounting and Accountancy.

CO 2: The students will understand purposes and functions of accounting.

CO 3: The course will help the students to understand assets, liabilities, revenue items and capital items.

CO 4: It also helps the students to gain practical knowledge of capital expenditures, revenue expenditures and incomes.

**Paper: BC 102 Micro Economics**

CO 1: Students get to know about micro economics concepts of consumer demand and consumer behaviour.

CO 2: Students understand about various types of markets and competitions therein.

CO 3: They know about market imperfections and also about the strategies in these kinds of markets by the firms.

CO 4: Students also get acquainted with the concept of 'Cost' and 'Revenue' aspects.

**Paper: BC 103 Principles of Business Management**

CO 1: Management skills have emerged as the most important skills for enhancing the quality of life of people in modern era.

CO 2: To develop an understanding of planning, organizing, staffing and decision-making aspects.

CO 3: After being familiar with management concepts, students get to deliver better results in their professional life.

**Paper: BC 104 Computer Applications in Business**

CO 1: Familiar with Computer, its characteristics block diagram of computer.

CO 2: Familiar with CPU memory and organization.

CO 3: Understand the concept of hardware, software and how do they work.

CO 4: Understand the concept of network basics, its topology types, media etc.

CO 5: Gain the knowledge of MS-Word, Excel and Power point presentation.

**Paper: BC 105 Business Mathematics-I**

CO 1: Students will understand the use of matrices with various operations i.e. addition, subtraction, multiplication by scalar, multiplication of matrices, transpose of matrices etc., determinants, inverse of matrix using various elementary operations that is used in maintenance of accounts, Tally etc.

CO 2: Students will learn to solve the system of linear equations by different methods that are usable in simple business problems.

CO 3: Students will learn to compute simple and compound interest using different formulas & investigate bank facilities.

CO 4: Students will learn the concept of annuity, future value of annuity, annuity due using table, present value of annuity, which is useful in EMI calculations, finance, management etc.

CO 5: Students will understand the concept of differentiation that will be usable in cost optimization related problems of demand & supply problems.

CO 6: Concept of series solving of arithmetic progression and geometric progression will help students in competitive exams.

**Paper: BC 106 Business Communication**

CO 1: This course provides knowledge to students about what are the different types of communications and how they are being used in business organizations.

CO 2: This course helps the students in self-development by creating positive attitude and by SWOT Analysis.

CO 3: This course provides knowledge about the interviewing skills; resume writing skills and business letter writing skills.

CO 4: This course fulfils the basic requirements like knowledge of E-mailing and Internet.

CO 5: This course enables the students to make good presentations by effectively utilizing verbal as well as non-verbal modes of communication.

**Semester- II**

**Paper: BC 201 Financial Accounting –II**

CO 1: It enables the students to gain further knowledge about hire purchase system and instalment payment system.

CO 2: The course will enable students to acquire practical knowledge about branch accounts, foreign branches, dependent and independent branches.

CO 3: To make the students aware about partnership and dissolution of partnership including Garner Vs Murray rule.

CO 4: Students will be able to understand the treatment of goodwill and joint life policy on admission and death/retirement of partner.

**Paper: BC 202 Macro Economics**

CO 1: To make the students learn how macro-economics principles are useful in making various policies by government.

CO 2: Students acquire knowledge about the concept of National Income, output and employment.

CO 3: Acquire the necessary quantitative skills used in economic analysis.

CO 4: This course will help the students understanding how macroeconomic stability is achieved through monetary and fiscal policy.

**Paper: BC 203 Fundamentals of Marketing**

CO 1: After completing this course the students will understand the concept of advertising and how advertising affects the buying habit of consumers.

CO 2: The course enables the students to understand about the product designing, packaging, pricing and its promotion process.

CO 3: To make aware the students how a product passes from one stage to another stage.

CO 4: To create awareness among students about market and marketing.

CO 5: After completing the course the students shall be able to understand the environmental conditions effecting marketing decisions of a firm.

**Paper: BC 204 E-Commerce**

CO 1: Students will be able to understand the basic concepts of internet including applications, uses and services of internet.

CO 2: Enhances the knowledge of students to understand the concepts of data, information and information system.

CO 3: Various types of information system that are useful in business are introduced to the students.



CO 4: Students get familiar with e-commerce and its various application services including the various e-commerce models.

CO 5: Students are aware about the various security issues in the e-commerce.

CO 6: Introduces the concept of M-commerce.

CO 7: Students are able to use various on-line sources for research & e-governance initiations.

**Paper: BC 205 Business Mathematics -II**

CO 1: Students will learn the concept of arrangement of letters & numbers in the code exercise to come up with a no. of possible permutation, all possible permutations, combinations that are used in event management.

CO 2: Students will learn the concept of expansion of binomial raised to any power.

CO 3: Use of graphical representation of equations & inequations is helpful in optimization of business problems, diet problems, transportation problems, cost related problems etc.

CO 4: Applications of mean, mode, median, frequency distributions, bar, histogram, pie diagrams, frequency curves are useful in data analysis.

**Paper: BC 206 Business Environment of Haryana**

CO 1: It will enable students to understand various internal as well as external factors affecting the business.

CO 2: Students will come to know about Haryana economy, its features and its state since inception its problems etc.

CO 3: It provides knowledge about different sources of agriculture credit.

CO 4: It makes clear the role of HSIIDC, HFC, HAFED, NABARD and HKUIB in our Haryana economy.

CO 5: It provides knowledge about Haryana Budget sources of Revenue and their Utilization.

**Paper: Environment Studies**

CO 1: Course offered at UG level compulsory for all streams aim to shape the mind of students sensitive towards environment & their surroundings.

CO 2: Students learn how environment studies is a multi-disciplinary in nature & how it is connected to other branches of humanities, commerce & science.

CO 3: Students gain knowledge different natural resources, renewable & non-renewable resources, their utilization & deletion, ecosystems & their interaction with each other.

CO 4: Familiarity arises among students for biodiversity of flora and fauna and its conservation.

CO 5: Major social issues as pollution, global warming, green-house effect, water conservation draws the attention of students.

CO 6: Some other issues such population explosion Human rights, AIDS, drugs are also there to increase awareness among students.

### **Semester-III**

#### **Paper: BC 301 Corporate Accounting-I**

CO 1: Through this course students will be able to understand the concept of issues of shares & debentures.

CO 2: Students will get understanding regarding redemption of shares & debentures.

CO 3: Students will get an exposure to the company final accounts.

CO 4: After successful completion, students will get to know about amalgamation & its types.

CO 5: Students will get to know how to deal with complex issues of Amalgamation & reconstruction.

#### **Paper: BC 302 Business Statistics-I**

CO 1: Provide help in enhancing the knowledge of students regarding quantitative models to solve the real-world problems in appropriate context.

CO 2: Enable the students to formulate correct, concise and complete mathematical proofs.

CO 3: Impart knowledge to student about mean, median and mode.

CO 4: Develop the ability to make effective use of professional level technology tools to support the study of statistics and mathematics.

**Paper: BC 303 Business Law-I**

CO 1: To impart basic knowledge of the provisions of the contract act 1872.

CO 2: To familiarize the students with practical aspects of discharge of the contract and its remedies.

CO 3: Students get to know about concept of consumer protection act 1986 and its different consumer's redressal forms.

CO 4: They know about the sales of goods act 1930, concept of unpaid seller, suits against buyer and seller etc.

**Paper: BC 304 Company Law-I**

CO 1: The students will be able to know about company and its various types.

CO 2: They become aware about the salient features of company act 2013 and its various amendments.

CO 3: Students will get the knowledge of promotion and incorporation of company and various legal documents required for its incorporation.

CO 4: They will come to know how prospectus is formed and how it can be scanned.

CO 5: They become aware about shares, debentures and stock and how shares can be converted into stocks.

CO 6: This course also enables students about the memorandum and article of association and its various components.

**Paper: BC 305 Indian Financial System**

CO 1: By studying Indian financial system, students will be able to understand financial system and importance of monetary policy and money market.

CO 2: To understand Indian financial system, components of money market are important. It would provide knowledge about financial instruments, capital market, Security and Exchange Board of India.

CO 3: To learn about debt market and security market will make students aware about economy.

CO 4: Functioning of RBI will be understood by studying credit control, credit creation and function of RBI.

CO 5: Banks play an important role in Indian Financial System. Students will study commercial banks, development banks, payment banks and E-banking.

**Paper: BC 306(opt i) Rural Marketing**

CO 1: It would enhance the knowledge of students regarding marketing strategies and rural pricing policies.

CO 2: It would encourage the students to think about the difference between urban market and rural market easily.

CO 3: Rural marketing would help the students to know about the consumer's behavior.

CO 4: Help the students in understanding the rural marketing environment and rural marketing mix.

**Paper: BC 306(opt ii) Foreign Trade of India**

CO 1: The course provides a deep understanding about the broad principles which tend to govern the flow of trade in goods, services and capital, both short term and long term at the global level.

CO 2: The content of the paper spread over different modules will greatly help to examine the impact of trade policies followed both at the national and international levels.

CO 3: The course provides understanding of INCOTERMS, International price quotations. The students will be aware about the financial institutions like WTO, World Bank and IMF.

CO 4: The course provides detail information regarding composition, direction, trends and Balance of Payment problems of India.

**Semester- IV**

**Paper: BC 401 Corporate Accounting-II**

CO 1: Students will be able to get knowledge regarding goodwill and its valuation.

CO 2: The course will help the students to get acquainted with accounting procedure of holding companies.

CO 3: Students will be able to understand the concept of accounting in Banking and Insurance companies.

CO 4: After studying, this course will make students to gain idea regarding liquidation and its accounting procedure.

**Paper: BC 402 Business Statistics-II**

CO 1: It will help the students in understanding the concept of probability and their use in daily life.

CO 2: Understanding of data collection and presentation in an effective manner through various types of analysis.

CO 3: Students enable to understand the concept of correlation and regression for a data of two variables.

CO 4: The qualities such as observation, analytical and logical thinking, clarity of thoughts, qualitative and quantitative decision making are enhanced.

**Paper: BC 403 Business Laws-II**

CO 1: To impart basic knowledge of the provision of the Negotiable Instruments Act, 1881.

CO 2: Students get to know about the concepts of Indian Partnership Act, 1932 and its implementation in practical life.

CO 3: To acknowledge the basic concepts of Information Technology Act, 2000.

CO 4: After being familiar with Right of Information Act, 2005 and get acquainted with the procedure to fill the RTI forms.

CO 5: Basic understanding of Limited Liability Partnership Act, 2008, Limited Liability Partners Relations and Liability.

**Paper: BC 404 Company Law-II**

CO 1: The course enables students to understand the procedure of transfer and transmission of shares and debentures.

CO 2: Students become also aware about the electronic sales and purchase of securities i.e. depository system and its working.

CO 3: Students will get the knowledge of legal position, qualification, appointment, removal, powers and duties of directors.

CO 4: They become able to know the Reconstruction and Amalgamation Procedure of companies.

CO 5: This course also become aware the students about the winding up, its modes and consequences of winding up.

CO 6: Including all above points students also become aware about the statutory, annual general and extra ordinary general meeting that are required in companies and quorum.

CO 7: This course helps the students to understand the practicality of Theoretical concepts.

**Paper: BC 405 Computerized Accounting System**

CO 1: Students will be able to learn about installation of Tally, Tally vault password and splitting company data.

CO 2: To familiarize the students with practical aspects of computerized accounting.

CO 3: To train the students in preparation of financial statements and reports by various voucher entries.

CO 4: It enables the students to maintain payroll and computerized tax liability calculations.

CO 5: It makes students ready with required skills for employability in the job market.

**Paper: BC 406(opt i) Advertising**

CO 1: Students will be able to develop advertising plan and present and defined it persuasively.

CO 2: Students will be able to evaluate the effectiveness of integrated advertising initiatives.

CO 3: Students will be able to develop creative solution to address advertising challenges.

CO 4: Students will be able to demonstrate an understanding of an overall role of advertising placed in the business world.

CO 5: Students will be able to demonstrate an understanding of advertising strategies and budgets.

CO 6: Students will be able to identify and understand the various advertising media.

CO 7: Students will be able to understand how an advertising agency operates in environment.

CO 8: Students will be able to identify and respond to clients advertising and marketing communication objectives by applying principles of marketing and communication.

**Paper: BC 406(opt ii) Entrepreneurship Development**

CO 1: Entrepreneurs require a foundation in several key areas in order to be successful. Through the course, students will be able to learn the role and functions of entrepreneur in Economic Development, Economic, Social and Psychological need for entrepreneurship and the qualities and pre-requisites of entrepreneur.

CO 2: The purpose of exposing the students to entrepreneurship is to motivate them to look at entrepreneurship as a viable, lucrative and preferred career. The course provides understanding of methods and procedures to start business.

CO 3: Students will be able to prepare feasibility reports, to select location of factory, Demand Analysis, Project Costing, Sources of finance and Tax Planning.

CO 4: The course will also provide government support and incentives to new enterprise, role of promotional agencies in entrepreneurship development and government schemes for new entrepreneurs.

**Semester- V**

**Paper: BC 501 Cost Accounting**

CO 1: This course enables the students to understand how cost of any product/service is determined under different costing method.

CO 2: This makes the student learn how to calculate tends/ quotation prices.

CO 3: Under this course students learn about the various ways and techniques to control as well as to reduce the cost.

CO 4: This provides knowledge about ascertainment of profitability of products and services.

CO 5: This will make students understand the importance of different incentive schemes of wage payments.

**Paper: BC 502 Entrepreneurship Development**

CO 1: This course will enable students to develop/ initiate business idea and communicate the idea through a business plan.

CO 2: The course describes about characteristics, qualities and pre-requisites of an efficient entrepreneur.

CO 3: The course will enable students to develop/ prepare feasibility reports of new projects.

CO 4: To make aware the students about government support, promotional agencies and incentives available for new enterprises.

**Paper: BC 503 Income Tax I**

CO 1: Students will be able to define the basic concept of income tax and determined the residential status for tax implication.

CO 2: To make student understand the computation of total income under five sources of income.

CO 3: It enables the students to know about the income which does not become part of total income.

CO 4: Students will learn the provision of clubbing and aggregation of income.

**Paper: BC 504 Company Law - II**

CO 1: Students will be able to know the procedure of transfer and transmission of share and debentures.

CO 2: They also get acquainted with the legal position of directors, qualification, appointment, removal, power, duties of directors.

CO 3: It helps the students to know the accounts of audit, borrowing, powers and debentures. And also, they become able to know the reconstruction and amalgamation.

CO 4: This course also benefited the students to become aware about the meetings and resolution and other necessary essentials for a valid meeting.



CO 5: It also helps students to understand the procedure of merger, acquisition and winding up of company.

**Paper: BC 505 Material Management**

CO 1: The course will help students to understand the concept of material management and its importance.

CO 2: Students will be able to analyse the inventory situation and can make plan & forecast according.

CO 3: After studying the course, students will get acquainted with legal & ethical aspects related with Material Management.

CO 4: Studying this course will make students to make practical applications of material management principles.

**Paper: BC 509 (Opt. ii) Services Marketing (Opt Group-II)**

CO 1: The students will be able to describe the nature and scope of services.

CO 2: Students will be able explain the nature and scope of service marketing.

CO 3: The students will be able briefly explain the services triangle.

CO 4: Students will understand the marketing mix uses in services.

CO 5: Students will analyse the services consumer behaviour.

CO 6: Students will demonstrate knowledge about the new service design and development.

CO 7: Students will analyse the service pricing approaches used by the seller.

CO 8: Analyse how a serviceman manages the physical evidence.

CO 9: Preparing, communicate and justify marketing mix and information systems for services.

CO 10: Students will understand the emerging services sectors in India.

**Paper: BC 510 (Opt. ii) Business Ethics and Corporate Governance (Opt Group-III)**

CO 1: Incorporate the concept of Business Ethics and Corporate social Responsibility into business decisions.

CO 2: The course enables students to understand the rights and duties of employees to the organization and the issues around this stakeholder group.

CO 3: To aware the students regarding the importance of ethics and CSR to business and corporate organizations.

CO 4: After completing this course, the students will be able to understand the ethical issues that are found in the corporate governance and shareholder relationships.

### **Semester-VI**

#### **Paper: BC 601 Management Accounting**

CO 1: This course will make the students to understand management accounting for decision making purpose.

CO 2: This will teach how reporting is done at all three levels of management.

CO 3: This will provide knowledge about the ways of formulation of budgets.

CO 4: This enables to understand the concept of break-even-point and its use to increase the profitability of business.

CO 5: This course teaches the method to identify the variances between Actual and Standards so that these can be removed on time.

#### **Paper: BC 602 Auditing**

CO 1: This course helps students to be familiar with the audit process of an organization or a company.

CO 2: The purpose of this course is to provide students with a thorough grounding regarding examining the books of accounts and other related documents of an organization.

CO 3: Students will be able to describe the different types of audit and compare different types of audit easily.

CO 4: Encourage the students to apply the code of ethics for professional accountants in undertaking audit process.

#### **Paper: BC 603 Income Tax**

- CO 1: Students will be able to know about the deduction u/s 80C to 80U for planning of tax in legal manner.
- CO 2: It enables the students to compute and assess the total income of individual, HUF and firm.
- CO 3: Students will develop an understanding of various amendments made from time to time in finance Act.
- CO 4: Students will get the knowledge about various ITR forms and how to file it.
- CO 5: Understand the power of Taxation authorities and assessment types.
- CO 6: After completing this course, the students will know about advance tax, Appeal and Revision, Penalties and Prosecutions.

**Paper: BC 604 Security Market Operations**

- CO 1: The course will help the students in building career in Stock market/ broking houses. It aims at providing the different components of financial system and their role. Students will be acquainted with the recent developments in the Indian Financial System.
- CO 2: The Course aims at developing an understanding of the changing investment scenario in general and Indian Capital Market in particular with reference to availability of various financial products and operations of stock exchanges (BSE and NSE).
- CO 3: Students will be acquainted with the methods of issuing shares and role of intermediaries in the primary market.
- CO 4: Students will be able to understand the trading mechanism in the stock market and various types of derivatives.

**Paper: BC 605 International Marketing**

- CO 1: Students are able to understand the concept the marketing and easily differentiate it from the Domestic or Indigenous marketing.
- CO 2: Through this course, students know the various countries environment like language, culture, currency, rules and regulations and especially behaviour of consumers.
- CO 3: This would enable students to have clear understanding of some important aspects like product development and designing, price and new promotional techniques.

CO 4: After completing this course, students will be able to understand the basic export procedure like Bill of lading and various price quotations used in International payment system.

**Paper: BC 608 (Opt. i) Retail Management (Opt. Group-II)**

CO 1: Students will be able to explain the design, implementation and assessment of retailing strategies based on consumer need and market changes.

CO 2: Students understand the impact of retailing on the economy.

CO 3: Students can describe what is retailing and role played by the retailers in society.

CO 4: Students get basic understanding of the retail management and FDI.

CO 5: Students can evaluate current retailing trends based on consumer, legal and competitive environments.

**Paper: BC 610 (Opt. i) Strategic Human Resource Management (Opt. Group-III)**

CO 1: This course enables the student to know about the various HR Strategy that helps to attain various opportunities in Environment.

CO 2: Students understand the role of HRM in Strategic Management.

CO 3: Students also able to know about HR audit its process and various factors affecting international business environment.

CO 4: Students are enabled to know about the importance of HRM measurement in strategic thinking, competitive advantage, customer and how to maintain uniqueness.

CO 5: Through this course Students can make strategic decision and apply in practical life.

**PROGRAMME OUTCOMES (POs) for B. Com (General and SFS)**

PO 1: After completing three years course in B. Com students can get through knowledge of commerce, finance, marketing, selling, tax and other administrative activities.

PO 2: The commerce & finance focused curriculum offers a number of specialization & practical exposures which would equip the students to face the modern-day challenges in commerce and business.

PO 3: Capability of the students to make decisions at personal and professional level will enhance after completion of this course.

PO 4: Inculcating an attitude for working efficiently and effectively in a business environment.

PO 5: Preparing them understanding the impact of the various accounting procedures and solutions in societal and business environment contexts and their sustainable development.

PO 6: Students can independently start-up their own business.

PO 7: By studying Business Mathematics in B. Com Course students will be able to understand the value and importance of mathematical thinking, training evaluating and problem-solving approach in various disciplines.

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#### **PROGRAMME SPECIFIC OUTCOME (PSOs) for B. Com (General and SFS)**

PSO 1: Students can opt for a career in different professional fields/areas like MBA, CA, ICWA, CMA UPSE as well as other courses.

PSO 2: Students will acquire the knowledge, skill in different areas of communication, decision making innovation, problem solving in day to day business environment.

PSO 3: Commerce graduates may become expert marketing professional for insurance, banking, e-commerce, on line companies & other products and may turn into a Manager, Accountant, Cost Accountant, Bank Manager, Auditor, Company Secretary, teacher, Professor, Stock Agent, Government employments etc.

PSO 4: This program will create awareness among students for their rights and duties by understanding and studying various acts and laws.

PSO 5: This program inculcates among the students the sense of discipline, confidence, and communication skills required in the changed global scenario.

PSO 6: This program develops entrepreneurial skills among students to start up their own ventures.

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## COURSE OUTCOMES

**Name of Programme: B. Com (Vocational) Computer Applications**

### Semester-I

#### **Paper: BC 101 Financial Accounting –I**

CO 1: It helps the students to understand Book-keeping, Accounting and Accountancy.

CO 2: The students will understand purposes and functions of accounting.

CO 3: The course will help the students to understand assets, liabilities, revenue items and capital items.

CO 4: It also helps the students to gain practical knowledge of capital expenditures, revenue expenditures and incomes.

#### **Paper: BC 102 Micro Economics**

CO 1: Students get to know about micro economics concepts of consumer demand and consumer behaviour.

CO 2: Students understand about various types of markets and competitions therein.

CO 3: They know about market imperfections and also about the strategies in these kinds of markets by the firms.

CO 4: Students also get acquainted with the concept of 'Cost' and 'Revenue' aspects.

#### **Paper: BC 103 Principles of Business Management**

CO 1: Management skills have emerged as the most important skills for enhancing the quality of life of people in modern era.

CO 2: To develop an understanding of planning, organizing, staffing and decision-making aspects.

CO 3: After being familiar with management concepts, students get to deliver better results in their professional life.

#### **Paper: BC 106 Business Communication**

CO 1: This course provides knowledge to students about what are the different types of communications and how they are being used in business organizations.

CO 2: This course helps the students in self-development by creating positive attitude and by SWOT Analysis.

CO 3: This course provides knowledge about the interviewing skills; resume writing skills and business letter writing skills.

CO 4: This course fulfils the basic requirements like knowledge of E-mailing and Internet.

CO 5: This course enables the students to make good presentations by effectively utilizing verbal as well as non-verbal modes of communication.

**Paper: BC(VOC) 105 Computer Fundamentals & logical Organizations**

CO 1: Students understand, identify and analyse computer hardware, software and network components.

CO 2: Students get familiar with the way to install the hardware and software in the system.

CO 3: Students get familiar with different types of operating systems like Mac, DOS, Unix, Linux etc.

CO 4: Students get familiar with memory and CPU Organization.

CO 5: Students understand the concept of network, its topologies and media etc.

**Paper: BC(VOC) 106 Business Data Processing & PC Software-I**

CO 1: Students get familiar with various data processing concepts and use of computer applications in business.

CO 2: Students attain the knowledge of basics of computer pertaining to Microsoft Office.

CO 3: Students understand the basic concept of RDBMS.

CO 4: Student's practical knowledge is enhanced by working on various functions of Microsoft Word and Excel.

CO 5: It helps the students to learn the basics of computer and it is useful for the students in long run.

**Semester-II**

**Paper: BC 201 Financial Accounting –II**

CO 1: It enables the students to gain further knowledge about hire purchase system and instalment payment system.

CO 2: The course will enable students to acquire practical knowledge about branch accounts, foreign branches, dependent and independent branches.

CO 3: To make the students aware about partnership and dissolution of partnership including Garner Vs Murray rule.

CO 4: Students will be able to understand the treatment of goodwill and joint life policy on admission and death/retirement of partner.

**Paper: BC 202 Macro Economics**

CO 1: To make the students learn how macroeconomics principles are useful in making various policies by government.

CO 2: Students acquire knowledge about the concept of National Income, output and employment.

CO 3: Acquire the necessary quantitative skills used in economic analysis.

CO 4: This course will help the students understanding how macroeconomic stability is achieved through monetary and fiscal policy.

**Paper: BC 203 Fundamentals of Marketing**

CO 1: After completing this course the students will understand the concept of advertising and how advertising affects the buying habit of consumers.

CO 2: The course enables the students to understand about the product designing, packaging, pricing and its promotion process.

CO 3: To make aware the students how a product passes from one stage to another stage.

CO 4: To create awareness among students about market and marketing.

CO 5: After completing the course the students shall be able to understand the environmental conditions effecting marketing decisions of a firm.

**Paper: BC 204 E-Commerce**

CO 1: Students will be able to understand the basic concepts of internet including applications, uses and services of internet.

CO 2: Enhances the knowledge of students to understand the concepts of data, information and information system.



CO 3: Various types of information system that are useful in business are introduced to the students.

CO 4: Students get familiar with e-commerce and its various application services including the various e-commerce models.

CO 5: Students are aware about the various security issues in the e-commerce.

CO 6: Introduces the concept of M-commerce.

CO 7: Students are able to use various on-line sources for research & e-governance initiations.

**Paper: BC(VOC) 205 Programming in C**

CO 1: The course will help the students to understand the fundamentals of C Language and developing programs in C Language.

CO 2: Students should be able to understand identifiers, keywords, variables, data types, expression and statements.

CO 3: Students should be able to understand and use the arrays, functions, control statements, pointers, and structures in programs.

CO 4: They should be able to implement different file handling operations and use different operators in C program

**Paper: BC(VOC) 206 Business Data processing and PC Software-II**

CO 1: This course helps the student to prepare presentation and enhance their presentation skills.

CO 2: The students will be able to understand the concept of Desktop publishing.

CO 3: The students learn the basic concept of data analysis.

CO 4: Students are able to understand the basic concepts of mobile applications.

**Semester-III**

**Paper: BC 301 Corporate Accounting-I**

CO 1: Through this course students will be able to understand the concept of issues of shares & debentures.

CO 2: Students will get understanding regarding redemption of shares & debentures.

CO 3: Students will get an exposure to the company final accounts.

CO 4: After successful completion, students will get to know about amalgamation & its types.

CO 5: Students will get to know how to deal with complex issues of Amalgamation & reconstruction.

**Paper: BC 302 Business Statistics-I**

CO 1: Provide help in enhancing the knowledge of students regarding quantitative models to solve the real-world problems in appropriate context.

CO 2: Enable the students to formulate correct, concise and complete mathematical proofs.

CO 3: Impart knowledge to student about mean, median and mode.

CO 4: Develop the ability to make effective use of professional level technology tools to support the study of statistics and mathematics.

**Paper: BC 303 Business Law-I**

CO 1: To impart basic knowledge of the provisions of the contract act 1872.

CO 2: To familiarize the students with practical aspects of discharge of the contract and its remedies.

CO 3: Students get to know about concept of consumer protection act 1986 and its different consumer's redressal forms.

CO 4: They know about the sales of goods act 1930, concept of unpaid seller, suits against buyer and seller etc.

**Paper: BC 304 Company Law-I**

CO 1: The students will be able to know about company and its various types.

CO 2: They become aware about the salient features of company act 2013 and its various amendments.

CO 3: Students will get the knowledge of promotion and incorporation of company and various legal documents required for its incorporation.

CO 4: They will come to know how prospectus is formed and how it can be scanned.

CO 5: They become aware about shares, debentures and stock and how shares can be converted into stocks.

CO 6: This course also enables students about the memorandum and article of association and its various components.

**Paper: BC(VOC) 305 Data Structure**

CO 1: Understand the organization of data structure, concept like array, stack, linked list.

CO 2: Student should be able to implement the graphs, backtracking using stack and queues.

CO 3: Students will know how to use trees to maintain hierarchy of data, different operations implementation.

CO 4: Understand the concept of sorting and searching operation etc.

**Paper: BC(VOC) 306 Fundamentals of Database Management System**

CO 1: Understand the concept of DBMS and different between traditional file base system and DBMS and its applications.

CO 2: Identify the logical design of ER model and Relational model and other different types of models.

CO 3: Basic architecture (3-Tier) of DBMS and normalization concept.

CO 4: Recognize the basic of SQL and different languages like (DDL, DML, and DCL) and create queries using these languages.

CO 5: Understand the architecture of Oracle and different types of triggers, procedures, function, procedures used in PL/SQL.

**Semester-IV**

**Paper: BC 401 Corporate Accounting-II**

CO 1: Students will be able to get knowledge regarding goodwill and its valuation.

CO 2: The course will help the students to get acquainted with accounting procedure of holding companies.

CO 3: Students will be able to understand the concept of accounting in Banking and Insurance companies.

CO 4: After studying, this course will make students to gain idea regarding liquidation and its accounting procedure.

**Paper: BC 402 Business Statistics-II**

CO 1: It will help the students in understanding the concept of probability and their use in daily life.

CO 2: Understanding of data collection and presentation in an effective manner through various types of analysis.

CO 3: Students enable to understand the concept of correlation and regression for a data of two variables.

CO 4: The qualities such as observation, analytical and logical thinking, clarity of thoughts, qualitative and quantitative decision making are enhanced.

**Paper: BC 403 Business Laws-II**

CO 1: To impart basic knowledge of the provision of the Negotiable Instruments Act, 1881.

CO 2: Students get to know about the concepts of Indian Partnership Act, 1932 and its implementation in practical life.

CO 3: To acknowledge the basic concepts of Information Technology Act, 2000.

CO 4: After being familiar with Right of Information Act, 2005 and get acquainted with the procedure to fill the RTI forms.

CO 5: Basic understanding of Limited Liability Partnership Act, 2008, Limited Liability Partners Relations and Liability.

**Paper: BC 404 Company Law-II**

CO 1: The course enables students to understand the procedure of transfer and transmission of shares and debentures.

CO 2: Students become also aware about the electronic sales and purchase of securities i.e. depository system and its working.

CO 3: Students will get the knowledge of legal position, qualification, appointment, removal, powers and duties of directors.

CO 4: They become able to know the Reconstruction and Amalgamation Procedure of companies.

CO 5: This course also become aware the students about the winding up, its modes and consequences of winding up.

CO 6: Including all above points students also become aware about the statutory, annual general and extra ordinary general meeting that are required in companies and quorum.

CO 7: This course helps the students to understand the practicality of Theoretical concepts.

**Paper: BC(VOC) 405 Programming in Java**

CO 1: Students will be able to understand the basic concepts of object-oriented programming.

CO 2: Students will learn the concept using basic syntax of control statements and implement in programming.

CO 3: Students will be able to identify classes, objects and find the solutions to a specific problem.

CO 4: Students will be able to understand various components of graphical user Interface and layout managers.

**Paper: BC (VOC) 406 Advanced Computer Applications**

CO 1: Students understands the concept of networking, types of networking, topologies and transmission media.

CO 2: Students get familiar with the different browsers like Internet Explorer, Mozilla Firefox, Opera and Google chrome.

CO 3: Students gain the knowledge of E-Commerce, on line purchasing and selling.

CO 4: Students understand the concept of Electronic Payment system, E-Governance concept and examples.

**Semester-V**

**Paper: BC 501 Cost Accounting**

- CO 1: This course enables the students to understand how cost of any product/service is determined under different costing method.
- CO 2: This makes the student learn how to calculate tends/ quotation prices.
- CO 3: Under this course students learn about the various ways and techniques to control as well as to reduce the cost.
- CO 4: This provides knowledge about ascertainment of profitability of products and services.
- CO 5: This will make students understand the importance of different incentive schemes of wage payments.

**Paper: BC 502 Entrepreneurship Development**

- CO 1: This course will enable students to develop/ initiate business idea and communicate the idea through a business plan.
- CO 2: The course describes about characteristics, qualities and pre-requisites of an efficient entrepreneur.
- CO 3: The course will enable students to develop/ prepare feasibility reports of new projects.
- CO 4: To make aware the students about government support, promotional agencies and incentives available for new enterprises.

**Paper: BC 503 Income Tax I**

- CO 1: Students will be able to define the basic concept of income tax and determined the residential status for tax implication.
- CO 2: To make student understand the computation of total income under five sources of income.
- CO 3: It enables the students to know about the income which does not become part of total income.
- CO 4: Students will learn the provision of clubbing and aggregation of income.

**Paper: BC 504 Company Law - II**

CO 1: Students will be able to know the procedure of transfer and transmission of share and debentures.

CO 2: They also get acquainted with the legal position of directors, qualification, appointment, removal, power, duties of directors.

CO 3: It helps the students to know the accounts of audit, borrowing, powers and debentures. And also, they become able to know the reconstruction and amalgamation.

CO 4: This course also benefited the students to become aware about the meetings and resolution and other necessary essentials for a valid meeting.

CO 5: It also helps students to understand the procedure of merger, acquisition and winding up of company.

**Paper: BC(VOC) 505 Computer Aided Design**

CO 1: Students will be able to list the basic concepts used in computer graphics.

CO 2: Attain the knowledge pertaining to various applications of Computer Graphics.

CO 3: Students understand the various algorithms.

CO 4: Knowledge of various input and output devices related to Computer Graphics.

**Paper: BC(VOC) 506 Data structure**

CO 1: Understand the organization of data structure, concept like array, stack, linked list, and their time and space complexities.

CO 2: Student should be able to implement the graphs using stack and queues.

CO 3: Students will know how to use trees to maintain hierarchy of data, different operations implementation.

CO 4: Understand the concept of sorting and searching operation etc.

**Semester-VI**

**Paper: BC 601 Management Accounting**

CO 1: This course will make the students to understand management accounting for decision making purpose.

CO 2: This will teach how reporting is done at all three levels of management.

CO 3: This will provide knowledge about the ways of formulation of budgets.

CO 4: This enables to understand the concept of break-even-point and its use to increase the profitability of business.

CO 5: This course teaches the method to identify the variances between Actual and Standards so that these can be removed on time.

**Paper: BC 602 Auditing**

CO 1: This course helps students to be familiar with the audit process of an organization or a company.

CO 2: The purpose of this course is to provide students with a thorough grounding regarding examining the books of accounts and other related documents of an organization.

CO 3: Students will be able to describe the different types of audit and compare different types of audit easily.

CO 4: Encourage the students to apply the code of ethics for professional accountants in undertaking audit process.

**Paper: BC 603 Income Tax-II**

CO 1: Students will be able to know about the deduction u/s 80C to 80U for planning of tax in legal manner.

CO 2: It enables the students to compute and assess the total income of individual, HUF and firm.

CO 3: Students will develop an understanding of various amendments made from time to time in finance Act.

CO 4: Students will get the knowledge about various ITR forms and how to file it.

CO 5: Understand the power of Taxation authorities and assessment types.

CO 6: After completing this course, the students will know about advance tax, Appeal and Revision, Penalties and Prosecutions.

**Paper: BC 604 Security Market Operations**



CO 1: The course will help the students in building career in Stock market/ broking houses. It aims at providing the different components of financial system and their role. Students will be acquainted with the recent developments in the Indian Financial System.

CO 2: The Course aims at developing an understanding of the changing investment scenario in general and Indian Capital Market in particular with reference to availability of various financial products and operations of stock exchanges (BSE and NSE).

CO 3: Students will be acquainted with the methods of issuing shares and role of intermediaries in the primary market.

CO 4: Students will be able to understand the trading mechanism in the stock market and various types of derivatives.

**Paper: BC (VOC) 605 Advanced Computer Applications**

CO 1: Students understands the concept of networking, types of networking, topologies and transmission media.

CO 2: Students get familiar with the different browsers like Internet Explorer, Mozilla Firefox, Opera and Google chrome.

CO 3: Students gain the knowledge of E-Commerce, on line purchasing and selling.

CO 4: Students understand the concept of Electronic Payment system, E-Governance concept and examples.

**Paper: BC(VOC) 606 System Analysis and Design**

CO 1: Students understand the concept of system and SDLC (Software development life cycle).

CO 2: Students get familiar with the types of system.

CO 3: Students will know how to draw data flow diagrams.

CO 4: Students will be able to draw data dictionary, flow charts, decision tables, form design etc.

CO 5: Students understand the concept of testing, operation and maintenance.

### **Programme Outcomes (POs) for B. Com (Vocational) Computer Applications**

- PO 1: Commerce with computer application gives a deeper understanding of commerce and information technology, thereby enabling the students to pursue careers in either of the two fast growing areas i.e. IT industry, Commerce and Financial sector.
- PO 2: This programme could provide well trained professionals for the technology and allied industries to meet well trained manpower requirements.
- PO 3: Students will develop skills in various aspects of information technology i.e. software updation, Programme developers, BPO, Software testing, Web designing, graphic designing, animation etc.
- PO 4: This programme will help the students to take up responsibilities in production, testing, designing and marketing in the information technologies and contribute for the growth of industry.
- PO 5: As a current scenario of corporate Sector has a major shift in paradigm where in the need of Computer application has become increasingly high. It helps students to get well-adjusted with the changed Scenario at global level.

### **Programme Specific Outcomes (PSOs) for B. Com (Vocational) Computer Applications**

After completing B. Com with Computer Application.

- PSO 1: Students will understand, analyse and develop software programmes in the areas related to system software, Multimedia, Web design, application programme, database, graphics and networking for efficient design of technology of varying complexity.
- PSO 2: To develop the skills of applying concepts and techniques used in commerce.
- PSO 3: To enable the students to pursue careers in either of the two fast growing areas i.e. IT Industry, Commerce, Marketing and Financial Sector.
- PSO 4: This programme enables students to use effective technology for audio-video Presentations appropriately i.e. Power Point Slides, Posters, handouts and transparencies in oral presentations.

PSO 5: This programme will enrich students with Communication skills, ethical values, team work, Professional and leadership skills.

PSO 6: This programme enables students to pursue research in their chosen areas.

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## COURSE OUTCOMES

**Name of Programme: B.Sc. (Non-Medical)**

**Chemistry**

**Semester – I**

**Paper: CH 101 Inorganic Chemistry**

Inorganic Chemistry deals with synthesis and behaviour of inorganic and organic metallic compounds. From this course students will have

CO 1: Understanding about structure of atom and particles constituting it.

CO 2: Understanding about periodic table and placement of element according to their unique properties.

CO 3: To understand concept of bonding, various theories of bonding, structure and geometry of different compounds.

CO 4: To develop a concept of ionic bonding in compounds, their properties and structure.

**Paper: CH 102 Physical Chemistry**

Physical chemistry deals with study of concepts of energy thermodynamics, equilibrium. Upon successful completion of this course, students will be able to

CO 1: Understand different state of matter and interactions existing between their particulates.

CO 2: Understand effect of temperature, pressure and volume among states of matter.

CO 3: Understanding of various physical properties of liquid such as viscosity, surface tension, vapour pressure and their practical applications.

CO 4: To inculcate the numerical ability.

**Paper CH 103 Organic Chemistry**

Organic chemistry is the scientific study of structure, reactions of organic compounds. By the end of this course, students will:

CO 1: Understand different kinds of bonds existing in organic compound.

CO 2: Naming of compounds to IUPAC nomenclature.

CO 3: Recognize and draw constitutional isomers, stereoisomers, enantiomers, diastereomers, racemix, mixture and meso compounds.

CO 4: To understand concept of reactant, reagents and different types of reaction.

## Semester – II

### Paper: CH 104 Inorganic Chemistry

This course will benefit the students in the following ways:

CO 1: To understand the concept of hydrogen bonding, vanderwaal's, metallic bond and semi-conductors.

CO 2: To clear why noble gases are low chemical reactivity, their late discovery.

CO 3: To understand about concept of diagonal relationship, anomalous behavior of elements.

CO 4: To study physical and chemical trends of s-block and p-block element.

### Paper: CH 105 Physical Chemistry

CO 1: Understand that every reaction has a unique time of occurrence due to the involvement of different chemical species, concept about half life.

CO 2: Enhance their numerical ability of solving numerical.

CO 3: Concept of electrochemistry, conductance, resistance.

CO 4: Correlate factor of acidity, basicity with PH, pka, buffer action, buffer solution.

### Paper: CH 106 Physical Chemistry

Following outcomes are expected from this course:

CO 1: Student will be able to differentiate between the aromatic, anti-aromatic and non-compounds.

CO 2: To understand basic difference between alkyl and aryl compounds.

CO 3: To clear concept about various reactions of alkenes, alkynes.

CO 4: To understand about reactivity, structure and hybridization of alkenes, alkynes.

**Paper: CH 107 Practical**

Upon successful completion of this course, students will be able to:

CO 1: Able to design, carryout, record and analyze the results of chemical experiments.

CO 2: will be able to titrate different mixtures.

CO 3: Understand concept of normality, molarity and molality and how to make solution of different concentration.

CO 4: Acquire habit of working safely with the chemicals and handling of equipments.

CO 5: Design experiments on parameters of viscosity, surface tension, specific refractivity.

**Semester – III**

**Paper: CH 201 Inorganic Chemistry Theory**

CO 1: Students will have the ability to demonstrate knowledge and understanding of essential facts, concepts and principles of inorganic chemistry.

CO 2: Students will be able to relate the basic difference amongst transition metals. Metal complexes cover a wide applicability in quantification of analysis and metal extraction.

CO 3: Students will be able to know about spectral properties of different inorganic compound based on their electronic properties.

CO 4: Students will come to know about the urge of development of co-ordination chemistry and its integration with d-block element.

CO 5: Basic nature of solvent and how different solvent show different reactions is all that students will understand.

**Paper: CH 202 Physical Chemistry Theory**

CO 1: Students will understand the concept of entropy and how the whole universe is related to it and how it affects other properties.

CO 2: Students will learn about the relationship between basic concept of thermodynamics and everyday world. They will also learn how the stability of whole universe is affected with different laws of thermodynamics.

CO 3: Students will get the knowledge about basic difference between path and state functions.

CO 4: Students will be able to know the importance of equilibria and how various types of equilibrium are different by various external parameters.

CO 5: Students will learn how to calculate the thermal efficiency of heat energies and how problems are solved which are based on laws of thermodynamics.

CO 6: Students will determine Nernst distribution law and they can relate it to various factor causing its deviation.

**Paper: CH 203 Organic Chemistry Theory**

CO 1: Students will inculcate the knowledge about alcohols and phenols and about their reactivity.

CO 2: Students will understand about the epoxides and their importance in industrial chemistry.

CO 3: Students will get a thorough knowledge about the basic concept of UV spectroscopy and how it can be used in organic chemistry for the identification of type of electronic transitions, reason for the colour of compounds, their stability. They will also come to know about the calculation of  $\lambda_{\max}$  by Woodward Fieser rules.

CO 4: Students will learn the importance and application of UV spectroscopy in structural determination of organic compounds.

CO 5: Students will come to know about the carboxylic acids, their properties, chemical reactivity. They will also learn the stability of acyl derivatives.

**Semester – IV**

**Paper: CH 204 Inorganic Chemistry Theory**

CO 1: Students will be able to know about the chemical and physical properties of f-block elements including lanthanides and actinides specifically reasoning for anomalous electronic configuration.

CO 2: Students will be able to differentiate between acidic and basic radicals and how they can be further useful in research as well as day to day life.

CO 3: Enables to individuate qualitative analysis from quantitative analysis.

CO 4: Students will understand about different theories of precipitation and how they are unique from each other.

**Paper: CH 205 Physical Chemistry Theory**

CO 1: Students will inculcate knowledge about the advance domain of thermodynamics.

CO 2: Students will understand second law of thermodynamics and its reaction with entropy.

CO 3: Students will learn how to apply third law in calculating entropy for various phases of matter and pure crystalline solid.

CO 4: Students will conceptualize the concept of work function, Gibb's energy and their significance for criteria of spontaneous reactions.

CO 5: Students will acquire knowledge about electro chemistry, various electrodes and their reactions, cell EMF and its applications in solubility product and potentiometric titrations.

**Paper: CH 206 Organic Chemistry Theory**

CO 1: Enables to understand the concept of IR spectroscopy and its applications in everyday life.

CO 2: Enables to familiarize with the amines, their preparation, reactions and comparison between primary, secondary and tertiary amines fasicity.

CO 3: Students will be able to know about diazonium salt and their applications.

CO 4: Students will inculcate the understanding of aldehydes and ketones, their reactions comparison and mechanisms of some name reactions and nucleophilic addition reactions.

**Paper: CH 207 Practical**

CO 1: Experimentation enhances the skills of managing resources, time and team work. Students will be able to function as a member of an interdisciplinary problem-solving team.

CO 2: Students will get skilled to perform gravimetric analysis efficiently.

CO 3: Students will be able to figure out different organic compounds.

CO 4: Students will be able to detect different functional groups, extra elements in the organic compound.

CO 5: Enables to handle the apparatus used in calorimetric experiments and perform them accurately.

CO 6: Students will be able to perform some inorganic preparation.

CO 7: Enables to verify Beer's law through colorimetry.

CO 8: Students will be able to conceptualize distribution law experimentally.

### **Semester V**

#### **Paper: CH 301 Inorganic Chemistry Theory**

CO 1: Students will come to know about the limitations of Valence Bond Theory (VBT) and they will be able to have an idea about crystal field theory (CFT).

CO 2: Students will understand CFT for both tetrahedral and octahedral complexes.

CO 3: Enables to have detailed knowledge about the magnetic and electronic properties of transition metal complexes.

CO 4: Students will be able to understand the concept of stability in metal complexes governed by kinetic and thermodynamic parameter.

#### **Paper: CH 302 Physical Chemistry Theory**

CO 1: Students will understand the concept of quantum mechanics and limitations of classical mechanics.

CO 2: Students will acquire knowledge about operators in quantum mechanics. They will also learn postulate, wave functions, expectation values and probabilities for different system.

CO 3: Students will gain knowledge about spectral information.

CO 4: Enables to understand molecular spectroscopy, description of vibrational, rotational and Raman spectra thoroughly and their role in research.



CO 5: Enables to conceptualize molecular structure, physical properties, dipole moment and various types of magnetism.

**Paper: CH 303 Organic Chemistry Theory**

CO 1: Students will inculcate the knowledge of principle of NMR spectroscopy, detailed description and applications of NMR spectroscopy in determining the structure of organic compounds.

CO 2: Students will be able to classify different carbohydrates based on their structure and positional composition.

CO 3: Students will acquire knowledge about the nature of metal carbon bond present in organic compounds.

CO 4: Enables them to learn about the organo metallic reagents like organolithium, organozinc and organomagnesium reagents and their applications.

**Semester – VI**

**Paper: CH 304 Inorganic Chemistry Theory**

CO 1: Students will be able to differentiate between acids and bases on the basis of different concepts.

CO 2: Students will be able to cater their theoretical knowledge of acid-base into practical world.

CO 3: Students will have an insight idea of organo metallic reagents in inorganic chemistry and their applications.

CO 4: Students will be able to know about the bioinorganic chemistry. They will learn about the roles of different metal ions in various physiological and biological processes.

CO 5: Students will acquire knowledge about the compounds of silicon and phosphorus and their applications especially in greases.

CO 6: Students will come to know about silicones and phosphazenes.

**Paper: CH 305 Physical Chemistry Theory**

CO 1: Students will have a detailed idea of statistical mechanics and their applications.

CO 2: Students will have thorough knowledge about the different types of solutions, dilute and concentrated. They will also learn about the colligative properties and their relation to different solutions.

CO 3: Students will be capable of understanding phases and how phase equilibria of two components are related.

CO 4: Enables to conceptualize photochemistry, its laws and to analyze the impact of photochemistry in sustainable development to help society.

**Paper: CH 306 Organic Chemistry Theory**

CO 1: Students will acquire knowledge about the organic synthesis via enolates.

CO 2: Students will be introduced about heterocyclic compounds in organic chemistry.

CO 3: Students will come to know about the change of properties of organic compounds by introducing heteroatom amongst cyclic hydrocarbons.

CO 4: Students will be taught about proteins amino acids and peptides.

CO 5: Students will be able to differentiate between primary, secondary, tertiary structure of proteins.

CO 6: Students will get to know about the applications of heterocyclic compounds.

CO 7: Students will inculcate knowledge about the industrially important inorganic polymers and their applications in everyday life.

**Paper: CH 307 Practical**

CO 1: Students will have a vast idea of different types of salts and the factors on which they are categorized into different groups.

CO 2: Students will be able to categorize and maintain a detailed record differentiating different radicals on basis of different factors.

CO 3: Students will learn about the different organic synthesis.

CO 4: Students will acquire comparative knowledge of different types of chromatography.

CO 5: Students will be able to determine R<sub>f</sub> values and learn about the separation from R<sub>f</sub> values.

CO 6: Students will be skilled to perform conductometry experiments.

CO 7: Students will experience to handle PH meter and potentiometer through various experiments.

### **B.Sc. (Non-Medical) Mathematics**

#### **Semester I**

##### **Paper: BM 111 Algebra**

CO 1: Student will learn to find the roots of the quadratic, cubic and biquadratic equations as well as solution of various linear equations, fraction equations etc.

CO 2: Using Matrices, Various types of equations can be solved.

CO 3: General strategy of equation solving to the problems of optimization, Business and Logical problems, grouping system can be utilized.

##### **Paper: BM 112 Calculus**

CO 1: Concept of limit, continuity and differentiability is used to analyze the graph, extrema of function by classifying maxima, minima inflexive nature.

CO 2: Anti derivative i.e. integration and its applications are useful for evaluating quadratic and other applied problems.

CO 3: Concept of trigonometric, exponential, Logarithmic functions, inverse functions, hyperbolic functions and their application is helpful to many real-world situations.

##### **Paper: BM 113 Solid Geometry**

CO 1: It emphasis the study of points, lines, shapes, and regions of solids and surface identification.

CO 2: Considering various parameters, different geometrical figures and shapes can be traced.

#### **Semester- II**

##### **Paper: BM 121 Number Theory and Trigonometric**

CO 1: Number theory is helpful to students to understand the concept of prime numbers, prime factors, congruence's, quadratic residues, Fermat's theorem, Chinese remainder theorem for solution of simultaneous equations.

CO 2: Number theory plays a vital role to coding and decoding system i.e. cryptography which is used to protect the electronically transmitted data.

CO 3: Knowledge of trigonometric, exponential and hyperbolic functions is used to find the  $n^{\text{th}}$  roots of equations.

**Paper: BM 122 Ordinary Differential Equations**

CO 1: It shows awareness about the classification, formation and solution of various initial and boundary value differential equations.

CO 2: Students will learn to solve homogeneous, Non-homogenous differential equation which is useful to real world scenario of applied physics, modeling, numerical solutions of various problems etc.

**Paper: BM 123 Vector Calculus**

CO 1: It helps to understand the nature of quantities having magnitude and direction i.e. differentiating between scalar and vector quantities.

CO 2: Students will learn cross product, dot product, scalar triple and vector triple product for finding the type of vectors e.g. orthogonal, irrotational and solenoidal nature.

CO: 3 Green's theorem, Stoke's theorem etc. are used to evaluate multiple integrals.

**Semester- III**

**Paper: BM 231 Advanced Calculus**

CO 1: Students will be able to learn maxima and minima of functions of two variables.

CO 2: To understand different indeterminate forms of limit, continuity, discontinuity of functions of two variables.

CO 3: It will help to understand behavior of curves in space.

**Paper: BM 232 Partial Differential Equations**

CO 1: Student will learn classification and solution of partial differential equations by conditions at boundary of the domain with different methods.

CO 2: To derive wave, heat equation etc. in one-dimensional and two- dimensional.

CO 3: To classify Partial differential equations and transform into canonical form.

**Paper: BM 233 Statics**

CO 1: Students will learn the basic concept of mechanics, equilibrium of rigid bodies.

CO 2: Students will understand the ability to isolate rigid bodies and to draw clear and appropriate free body diagrams.

CO 3: Students will analyze equilibrium conditions under the effect of the external forces acting on the rigid and to simplify different problems using the basic principles of mechanics.

#### **Semester- IV**

##### **Paper: BM 241 Sequences and Series**

CO 1: Students will learn the concepts of sequences, their types i.e. finite, infinite, bounded, monotonic, convergent, divergent sequence etc.

CO 2: Students will understand the concept of infinite series, sequence of partial sums, and their convergence/divergence using concepts of sequences, sum of convergent series.

CO 3: Students will learn various tests like p-series test, comparison tests, alternating series test, root test, ratio test to check the convergence or divergence of sequences and series.

##### **Paper: BM 242 Special Functions and Integral Transform**

CO 1: Students will learn to analyze the properties of special functions by their integral representations.

CO 2: Student will learn the concepts of solving different equations by the properties of Fourier Transform, Laplace Transform.

CO 3: Students will determine the properties of Legendre's polynomial which may be solved by application of special functions.

##### **Paper: BM 243 Programming in C & Numerical Methods**

CO 1: Students will be able to learn effective usage of arrays, structures, functions, pointers etc.

CO 2: Students will study different numerical methods to solve algebraic, transcendental equation, linear system of equations.

CO 3: Students will learn practical knowledge of C to apply it to learn the solution of various equations.

**Semester- V****Paper: BM 351 Real Analysis**

- CO 1: Students will understand the concepts of real numbers, least upper bounds, greatest lower bounds, countable and uncountable sets, limit inferior, superior and limit of sequences.
- CO 2: Students will learn metric spaces, open, closed, connected, bounded, totally bounded or compact sets in metric spaces.
- CO 3: Students will learn continuity, discontinuity, uniform continuity of functions in metric spaces.

**Paper: BM 352 Groups and Rings**

- CO 1: Students will understand different algebraic properties in different sets and identify sets under binary operation is group or not, abelian group, subgroups fundamentals theorem of group etc.
- CO 2: Students will learn the concepts of rings, fields, unique factorization domain, integral domains and their various properties.
- CO 3: Students will study permutation group, symmetries, products and various operations of cycles.

**Paper: BM 353 Numerical Analysis**

- CO 1: To understand theoretical and practical aspects of the use of numerical analysis that will be used in the field of Sciences and in Engineering.
- CO 2: Students will learn various methods of numerical integration, approximation, differentiation, numerical solution of ordinary differential equations.
- CO 3: Student will learn methods of solution of equation, matrix inversion, calculation of Eigen values and Eigen vectors and will be able to find the numerical approximations and error estimation in a range of problems.

**Semester- VI****Paper: BM 361 Real and Complex Analysis**

- CO 1: Students will learn to visualize complex numbers as points of  $\mathbb{C}$  and stereographic projection of complex plane in Riemann sphere.

CO 2: Students will understand the concept of complex functions, analytic functions, Cauchy-Riemann equations and results of harmonic functions and their properties.

CO 3: Students will understand Jacobians, Beta, Gamma functions, double and triple integral, Fourier series etc.

**Paper: BM 362 Linear Algebra**

CO 1: Students will learn algebraic and geometric representation of vectors in  $TR^n$  and their various operations in matrix algebra, vector spaces etc.

CO 2: Students will understand to determine rank, determinant, Eigen values, diagonalization, orthogonality and orthonormality of vectors.

CO 3: Students will learn dimension, basis of vector space, matrix representing a linear transformation under a given basis and will determine how the matrix changes if the basis is changed.

**Paper: BM 363 Dynamics**

CO 1: Students will be able to draw free body diagram for a particle or for a rigid body in plane motion, will understand the concepts of mass, velocity, acceleration, force, work and energy etc.

CO 2: Students will learn to analyse the general motion of rigid body on smooth and rough planes.

CO 3: Students will learn Kepler's laws of planetary motion and will be able to solve various problems of applied physics and mechanical engineering.

**B.Sc. (Non-Medical) Physics**

**Semester- I**

**Paper: PH 101 Classical Mechanics and theory of Relativity**

CO 1: This course helps students to understand the basic and fundamental concept of classical mechanics. Learned about the law of conservation of Energy, Linear Momentum, Angular Momentum and apply them to solve problem.

CO 2: This course helps student to understand the basics of potentials and fields, central force, Newton's laws and get knowledge about forces which help them in their daily life. The parameters like velocity and acceleration give knowledge about how vehicle move.

CO 3: This course helps students to understand the Rolling concept and concept of Inertia which helps them in their daily life. Familiarize with the concept of Lagrangian and Hamiltonian formulation which further helps them to solve problem related to physical systems.

CO 4: This course helps students to understand the fundamental ideas of special theory of relativity such as length contraction, time dilation and mass energy equivalence. It helps them to get the knowledge of coriolis forces, Michelson-Morley experiment.

**Paper: PH 102 Electricity Magnetism and Electromagnetic Theory**

CO 1: Students learned about a wonderful mathematical Del operator on scalar and vector physical quantities to develop the quantities as mentioned in course objectives and also would be able to build up logical and analytical skill to work on new complex physical world by applying the same Del operator on the physical quantities of their own choice.

CO 2: Would be able to get the knowledge of Gauss's divergence theorem and Stokes law. Students have gained elaborated knowledge about electrostatics and law governing the charge distribution. It helps students to have the knowledge related to theories of magnetism Hystrein loop.

CO 3: Would be able to visualize the invisible world of accelerated charged particle in the form of electromagnetic field or electromagnetic waves which has socio anthropological settings across the world by connecting every human being through communication as outcomes of electromagnetic waves. Students have gained the idea of poynting vector and poynting theorem.

CO 4: Study in depth about bound charges and boundary conditions. This course helps students to have deep understanding about transient current response of CR, LC, LR and LCR circuits which is essential in designing as well as understanding the working of electronic circuits.

**Semester- II**

**Paper: PH 201 Properties of Matter and Kinetic Theory of Gases**

CO1: This course help students to understand the fundamental concepts related to Hook's law and electric properties of matter that have many applications in daily life.



CO 2: Students gets proper understanding of bending of beam phenomena, cantilever as well as the concept of twisting couple could open up industrial doors to the student.

CO 3: This course help students to get the idea of moment of Inertia and help them to calculate moment of inertia for various physical system like solid sphere, cylinder (hollow/solid) etc. Students would be able to calculate the acceleration of a body rolling down on an inclined plane.

CO 4: The concepts of energy distribution, specific heats and Maxwell distribution of speed have interesting statistical and experimental verification. It helps student to closely realize the theoretical part of curriculum.

**Paper: PH 202 Semiconductor Devices**

CO 1: This course helps the student to understand about energy bands in solids, semiconductor zener diode, Pn junctions diode and their characteristics and to get the knowledge regarding photodiode, solar cell, full wave and half wave rectifiers.

CO 2: Would be able to understand the semiconductor elements in controlling the applied voltage source of voltage and current and how these elements have brought up a big change after the discovery of transistor as a semiconductor device. It helps student to understand how transistor can be used as switch.

CO 3: Students would be able to understand about DC Load line, transistor as an amplifier. It helps student to observe the effect of positive feedback in generating the oscillations without any prerequisite input and effect of negative feedback in generating the amplification of input signal as this law of physics is explicitly a consequence of law of nature.

CO 4: This course helps the student to understand the principle and working of C.R.O.

**Subject: Physics Practical**

CO 1: The experiments of this course are framed so as to understand comprehensively the meaning of minute observations and Measurements. These experiments are first lesson to the learners that how imperative the role of measurement in the physical world.

CO 2: All the experiments are based on the theory course of the students in the same year. Therefore, these laboratory experiments are elemental part of the curriculum and helps in improving widespread knowledge to the students.

- CO 3: Experiments based on moment of inertia provides a technical hand to the students and open a pathway to the industrial world related to the machinery and vehicles.
- CO 4: Experiments based on current and electricity, learner could realize the many theoretical concepts solenoid, magnetism frequency of A.C. mains. These experiments provide answer to many queries of the student which is the part of their thoughts so far.
- CO 5: Experiments related to industrial world like photodiode, Pn junction, zener diode etc. helps students in their practical life.
- CO 6: Experiments related to measurement of acceleration due to gravity and elastic constant would put up a clear picture of universal constants to the mind of students. Therefore, besides increasing the conceptual qualities, these experiments would further raise the imagination power of students.

### **Semester- III**

#### **Paper: PH 301 Computer Programming and Thermodynamics**

- CO 1: This course will help to understand the concept of heat and its conversion from one form to another. Thermodynamics can be used in our daily life. Laws of thermodynamics as used in refrigerators, air –conditioners, heat pumps etc. one of the important fields of thermodynamic is heat transfer, which relates to transfer of heat between two media.
- CO 2: The students are able to understand the laws of thermodynamic dictate energy behavior, for example, how and why heat which is a form of energy, transfer between different objects.
- CO 3: The concept of Maxwell relations allows us to relate changes in one set of thermodynamics variable to other variables.
- CO 4: The students get the information about programming which is important to create software and applications that help computer and mobile used in daily life. Due to all these reasons, it's really important to learn how to use programming languages in our daily life. Programming is important to collect, manage, calculate, and analyze processing of data and information accurately.

#### **Paper: PH 302 Wave and Optics-I**

- CO 1: The students are able to understand and correlate various optical phenomena related to light with practical problems/applications in day to day life.
- CO 2: The concept of analytical treatment of Fourier analysis would establish a bridge that link mathematical equation with their physical aspects and comprehensive recognition with conceptual clarity.
- CO 3: This course will help to understand the concept of a different dimension of laws of reflection, refraction and other equations based on them is shown in matrix method. These methods result in simplification/alternate of complicated and lengthy equations studied in twelfth class.
- CO 4: The students will come to know about wave nature of light is described by interference of light and it answers many observations in our daily life. For example, coloration in the soap bubble, fringe patterns observed somewhere and laser phenomena based on coherence of light. Thus, students are able to observe and analyze various naturally occurring phenomena.

#### **Semester- IV**

##### **Paper: PH 401 Statistical Mechanics**

- CO 1: This course helps the students to understand the methods of statistical mechanics used to develop its statistics for Bose-Einstein, Fermi-Dirac and photon gases.
- CO 2: The students are able to understand the concept of microstates and macro states and how the particles are distributed in the system in different states.
- CO 3: The students get the information about the macroscopic and microscopic description of temperature, entropy and free energy and their descriptions in terms of probabilities.
- CO 4: The concept of canonical and micro canonical ensemble. This is very useful in our daily life.

##### **Paper: PH 402 Subject- Wave and Optics II**

- CO 1: This course helps the students to understand the description of wave nature of light by interference of light answers many observations in our daily life. For example, coloration in the soap bubble, fringe pattern observed somewhere and laser phenomena based on coherence of light.

- CO 2: The students are able to observe and analyze various naturally occurring phenomena.
- CO 3: The concept of polarization would comprehensively describe the bifurcation between longitudinal and transverse waves. Along with it, students can learn the practical aspect to distinguish between polarized and unpolarized light.
- CO 4: The students are able to understand and correlate various optical phenomena related to light with practical problem/ application in day to day life. For e.g. the distinction between various type of light and different set of polarimeters.

### **Subject- Physics Practical**

- CO 1: The students come to know how to make use of handling of the sophisticated optical instruments such as Bi-prism arrangement, telescope and microscope would provide learner an expertise in the field of measurements.
- CO 2: The concept of the experiments of the optics division would assist students to recognize and verify the various laws related to the light and optical event which is just a part of their imagination till now.
- CO 3: In addition to realize the fundamental concepts of theory, the laboratory experiments could make available learner a potential candidate to be absorbed in the industrial world.
- CO 4: The course of computer programming would help the students to get familiar with software skills. It not only develops a skill in the students but also open up another way to the students after completing their graduation course.

### **Semester- V**

#### **Paper: PH 501 Quantum and Laser Physics**

- CO 1: After studying this course the students shall be able to understand origin of quantum physics, the behaviour of radiation and matter at atomic and subatomic levels.
- CO 2: This course helps students to study applications of Schrodinger wave equation.
- CO 3: Main features and basic principles of laser will be studied by students. Students will be familiarized with Einstein's Quantum theory of emission and absorption of radiation.
- CO 4: Shall enable them to study some specific laser systems and the applications.

**Paper: PH 502 Nuclear Physics**

CO 1: The objective of this course is to study various properties of nucleus, its structure and nuclear mass spectrograph.

CO 2: Students will learn alpha- disintegration, alpha- drag neutrino hypothesis, beta-drag, energetic of gamma ray and different phenomenon related to radiations interaction with matter.

CO 3: They would be able to study nuclear accelerators understand nuclear reactions, Q value and general aspects of Nuclear fission fusio reactors.

**Semester- VI****Paper: PH 601 Solid State and Nano Physics**

CO 1: This course helps students to get familiar with an extended knowledge of principles and techniques of solid-state Physics.

CO 2: Students learn to determine the mechanical structure of materials and how this conduct electricity, how they interact with light.

CO 3: It will enable them in understanding the process of determining the structures by x-ray diffraction method.

CO 4: Graduates have a wide variety of opportunities after learning this discipline such as career in applied research and education along with the opportunities in aerospace, engineering industries and importance of Nano-technology and its applications

**Paper: PH 602 Atomic and Molecular Spectroscopy**

CO 1: Students are able to analyse alkali atoms and their spectrums.

CO 2: After studying this course student could understand the Roman effect which further helps in analysing rotational and translational energies.

CO 3: The analysis of electric and magnetic fields effect on alkali atoms can also be done by students.

**Subject- Physics Practical**

CO 1: The experiment such as Transistor Amplifier, oscillator would help students get a hold of practical aspects of these electronic devices.

CO 2: In addition, computer programming develops software skills of students helping them to pursue a career in computer world.

CO 3: Students learn to handle the sophisticated optical instruments used to determine its wavelength and resolving power.

CO 4: Along with the knowledge of theoretical concepts, students get knowledge about application of such concepts in real life and build a career out of it.

### **B.Sc. (Non-Medical) English**

#### **Semester: I**

A book title as 'Chronicles of Time' An Anthology of poems is prescribed for the students of semester I of B.Sc. 1<sup>st</sup> science stream. The course outcomes are as follows:

CO 1: The aim of the course to give the knowledge of the chronicles poets of the time to the students.

CO 2: Simple presentation of the poems step by step discussion and use of examples will help students in mastering the subject.

CO 3: The course focuses on helping the students to develop skills in all the four dimensions of communication namely, listening, speaking, reading and writing.

CO 4: The course will enable the students to use the grammatical structures, translation from Hindi to English accurately and paragraph writing.

CO 5: The course provides an opportunity to the students to improve their grammatical mistake through grammar, 'common errors'.

#### **Semester- II**

A book titles as 'Ideas Aglow' is prescribed for the students of semester II of science stream.

The course outcomes of this course are as follows:

CO 1: The aim of the course to give the knowledge of the different writers to the students.

CO 2: Students will understand the views of different writers as mentioned in the prescribed book.

CO 3: The course will enable the students for the practical use of language through grammatical structure, translation from English to Hindi.

CO 4: Precise writing will increase the analysing skill of the students.

CO 5: The course aim at imparting the communication and writing skills that are needed in their academic and professional pursuits through letter writing.

### **B.Sc. (Non-Medical) Sanskrit Elective**

#### **तृतीय सत्र**

CO 1: संस्कृत चयनिका के माध्यम से संस्कृति, साहित्य, दर्शन संबंधी ज्ञान प्रदान करना।

CO 2: संस्कृत चयनिका में वर्णित भिन्न-भिन्न कहानियों के माध्यम से सामाजिक, राजनैतिक तथा व्यवहारिक ज्ञान प्रदान करना।

CO 3: संस्कृत व्याकरण के माध्यम से भाषा का वाक्यप्रयोग के लिए शब्द तथा क्रिया का ज्ञान प्रदान करना।

CO 4: संधि के माध्यम से वर्णों का मेल करना सिखाना।

#### **चतुर्थ सत्र**

CO 1: संस्कृत चयनिका के माध्यम से संस्कृति, साहित्य, दर्शन संबंधी ज्ञान प्रदान करना।

CO 2: संस्कृत चयनिका में वर्णित भिन्न-भिन्न कहानियों के माध्यम से सामाजिक, राजनैतिक तथा व्यवहारिक ज्ञान प्रदान करना।

CO 3: संस्कृत व्याकरण के माध्यम से भाषा का वाक्यप्रयोग के लिए शब्द तथा क्रिया का ज्ञान प्रदान करना।

CO 4: संधि के माध्यम से वर्णों का मेल करना सिखाना।

### **B.Sc. (Non-Medical) Hindi Elective**

#### **तृतीय सत्र**

CO 1: विज्ञान संकाय के विद्यार्थियों को हिंदी के सुप्रिया साहित्यकारों की विस्तृत जानकारी देना।

CO 2: निबंधों के माध्यम से विद्यार्थियों को वर्तमान काल की विभिन्न सामाजिक व वैश्विक समस्याओं से परिचित करवाना।

CO 3: विद्यार्थियों को पत्र लेखन कला तथा वैज्ञानिक शब्दावली के विषय में जानकारी प्रदान करना। विद्यार्थियों में हिंदी साहित्य के प्रति रुचि उत्पन्न करना।

#### **चतुर्थ सत्र**

CO 1: विद्यार्थियों को एकांकियों के विषय में विस्तृत जानकारी प्रदान करवाना।

CO 2: निबंधों के माध्यम से वर्तमान समस्याओं के विद्यार्थियों को परिचित करवाना।

CO 3: वैज्ञानिक शब्दावली के विषय में विस्तार से जानकारी देना।

CO 4: विज्ञान संकाय के विद्यार्थियों में हिंदी साहित्य के प्रति रुचि उत्पन्न करना।

### **B.Sc. (Non-Medical) Computer Awareness**

#### **Course Outcomes (COs)**

#### **Semester-II**

#### **Paper: level I Computer Awareness**

CO 1: This course will give an understanding of windows operating system, control panel, desktop, applications, files and folders in computer.

CO 2: This would be able to use word processor, create and edit document, formatting, advance features of MS word, charts etc.

CO 3: This would be able to use spread sheet, creating, editing and formatting spread sheet, and formula and functions, and creating charts in MS excel.

CO 4: This would be able to use power point presentation, creating, manipulating and enhancing slides, animations, and inserting different sound effects.

CO 5: At the end of this course, Students will be able to create emails, send and view emails, and send an attachment. Students will also understand the concept of internet, search engine and web browser.

### **B.Sc. (Non-Medical) Environment Studies**

#### **Course Outcomes (COs)**

#### **Paper: Environment Studies**

#### **Semester-II**

CO 1: Course offered at UG level compulsory for all streams aim to shape the mind of students sensitive towards environment & their surroundings.

CO 2: Students learn how environment studies is a multi-disciplinary in nature & how it is connected to other branches of humanities, commerce & science.

CO 3: Students gain knowledge different natural resources, renewable & non-renewable resources, their utilization & deletion, ecosystems & their interaction with each other.

CO 4: Familiarity arises among students for biodiversity of flora and fauna and its conservation.



CO 5: Major social issues as pollution, global warming, green-house effect, water conservation draws the attention of students.

CO 6: Some other issues such population explosion Human rights, AIDS, drugs are also there to increase awareness among students.

### **Program Outcomes (POs) for B.Sc. (Non-Medical)**

PO 1: Development scientific attitude and temperament among students.

PO 2: B.Sc. (N.M.) program empower the graduates to appear for various competitive examination or choose PG program of their choice.

PO 3: Science graduate student can pursue his/ her career in various fields such as education, banking, public service, industries mainly related to engineering works, pharma, electronics, biotechnology, computers.

PO 4: Observation, precision, logical thinking, systematic approach, qualitative and quantitative decision-making qualities are developed in students.

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### **Program Specific Outcome (PSOs) for B.Sc. (Non-Medical)**

PSO 1: Students acquire knowledge about fundamental theories of chemical and scientific phenomena and their application in everyday life.

PSO 2: Students get hands on training of scientific experiments which enables them to record, analyse and measure the results with accuracy.

PSO 3: Program also opens the path for master's degree in chemistry/ physics/ mathematics/ computer science or even in other fields also such as management, pharma industry, humanities, defence, public and banking sector.

PSO 4: Present subject area of science will increase the capability of students in exploring interdisciplinary scientific research area.

PSO 5: Basic knowledge of mathematics and practical application of computer programming in FORTRAN and other scientific languages is gained so as to solve scientific problems.

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**COURSE OUTCOMES****B.Sc. (Computer Science)****Semester -I****Paper-I Computer and Programming Fundamental**

- CO 1: Students will be able to learn the basic concept of computer, its working, characteristics, merits applications and computer memory.
- CO 2: This course will give an understanding of concept of input output devices, Understanding the software, concept of operating system and types of operating system.
- CO 3: The Students will able to learn the concept of problem solving, different techniques of problem solving and structured programming.
- CO 4: This would be able to understand sorting, searching, merging, computer language, language translator and system utilities.

**Paper-II PC Software**

- CO 1: This course will give an understanding of windows, desktop, applications, files and folders in computer.
- CO 2: This would be able to use word processor, create and edit document, formatting, advance features of MS word.
- CO 3: This would be able to use spread sheet, creating, editing and formatting spread sheet, and advance features of MS excel.
- CO 4: This would be able to use power point presentation, creating and enhancing slides, animations, and inserting different sound effects.

**Semester-II****Paper-I Programming in 'C'**

- CO 1: Students will be able to learn the concept of C language, different characteristics, identifiers, keywords, data types, and input output functions.
- CO 2: This will help the students to learn different operations and expression used in C, and type casting, different operators and decision-making statements.
- CO 3: This will be able to learn decision making and loops, Functions and recursion.

CO 4: This would be able to learn arrays in C, Structure and union.

### **Paper-II Logical Organization**

CO 1: The course content will be able to Use of number system, inter conversion of number system and error detecting and correcting code.

CO 2: This would help the students to learn Boolean functions, simplification of Boolean function and karnaugh map.

CO 3: This would be able to learn different types of Gates, Adder, subtracter, encoder, decoder, multiplexer and demultiplexer.

CO 4: This would be able to learn flip flops, registers and different type of counters.

### **Paper-III Practical (PC- software & Programming in 'C')**

CO 1: This course helps the students to create, open, save, edit and format document. They should be able to insert picture pictures, formats text and graphing options in MS word.

CO 2: Students should be able to understand and handle large volume data using spread sheet with the help of formulas, charts, graphs and function available in MS excel.

CO 3: They should be able to prepare power point presentation using features like sound effects, templates, drawing tools, charts, animation effects, to make their presentation more interactive and attractive.

CO 4: 'C' language is a general-purpose programming language and can efficiently work on enterprise applications, games, graphics etc. C language has a rich library of built in functions. By learning this language students can able to develop any application like game, enterprise application, animations and graphics etc.

## **Semester- III**

### **Paper-1 Data Structure**

CO 1: The course content would help the students to understand the concept of Data Structure, their categories, operations, Applications, complexity of algorithm, string and their operations, pattern matching algorithm.

CO 2: Students will be able to understand Arrays, Traversal, insertions and deletion in array, parallel array, sparse arrays, Linked list, Different algorithm of linked list, two-way linked list, Garbage collection, applications of linked list.

CO 3: Student Will be able to learn, stack, and different applications and operations of stack, Queue, different operation on Queue, Dequeue, Priority Queue.

CO 4: This course will help the students to understand concept of tree, Binary tree, travelling of tree, Graph theory, and representation of graph.

### **Paper-1I Software Engineering**

CO 1: The course content will help the students to understand the concept of software engineering, software life cycle, and different process models.

CO 2: This will help the students to learn software requirements analysis, need for SRS, Problem analysis, Requirement Specification.

CO 3: This will help the students to learn Data flow diagram, Software project planning, and project scheduling and planning.

CO 4: This will help the student to learn Testing of software and different types of testing, Maintenance and types of maintenance.

### **Semester- IV**

#### **Paper-1 Object Oriented with C++**

CO 1: It helps the students to understand the basic features of C++ and object-oriented design.

CO 2: Students will be able to apply the major object-oriented concepts to implement object-oriented programs in C++, encapsulation, Inheritance and Polymorphism.

CO 3: Students will understand how to evaluate to allocate dynamic memory to variables and handle file and data in C++ using and concepts like virtual classes, operator overloading and template.

#### **Paper-II Operating System**

CO 1: The course content of this subject will help the students to learn about operating system and methodologies for implementation of operating System.

CO 2: This would help the students to learn about process management, CPU Scheduling and Deadlock concept.

CO 3: This would help the students to learn about concurrent process and storage management, memory management.

CO 4: This would help the students to learn about file and device management, Directory system and file protection mechanism.

**Paper-III Practical (Data Structure implementation using 'C' & Programming with C++)**

CO 1: This would help the students to used stored data in organize manner. Students will learn how to implement different program of data structure using 'C' Language.

CO 2: Students will be able to implement the object-oriented concept.

CO 3: Demonstrate student's practical experience of object-oriented design in C++.

CO 4: Enable students to implement and handle file data in C++ and dynamic memory allocation.

CO 5: Make students understand to implement the generic template and type conversion in C++.

**Semester -V**

**Paper – I Fundamental of Database System**

CO 1: Will enable students to differentiate between traditional file system with database management system by specifying features, merits, functions and characteristics of database system.

CO 2: This course will help the students to understand database system architecture, their schemas, mappings and instances.

CO 3: Students will be able to understand data models, design E-R diagram.

CO 4: This course will help the students to understand classification of database management system, Relational data model, different keys and constraints.

**Paper-II Web Designing**

CO 1: The course contents will make the students to get familiarized with basic of the internet, WWW and use of different internet tools.

CO 2: Students will be able to understand the concepts of website designing and development, Home page, domain name, web publishing and hosting.

CO 3: The course contents will make the students to get familiarized with HTML, Hypertext, HTML features and HTML tags.

CO 4: Students will be able to acquire knowledge and skills for developing web pages using different advanced HTML tags.

### **Semester-VI**

#### **Paper - I Relational Data Base Management System**

CO 1: The course will help the students to understand the data models, codd's rule for relational model and relational algebra.

CO 2: Students will be able to implement normalized database structure using different normalized forms and learn about relation calculus and Functional Dependencies.

CO 3: Will provide knowledge of SQL (DDL, DML, and DCL) and constraint in SQL.

CO 4: Will provide knowledge of PL/SQL, their Character Set, Data Types, Declaration and Assignment of Variables and Control Structure.

#### **Paper-II Computer Network**

CO 1: Students will be able to learn the concept of data communication, uses of computer network, types, topology, network hardware components, network design issues and protocols, OSI and TCP/IP model.

CO 2: Students will be able to acquire knowledge about analog and digital communication, Guided and Wireless Transmission Media, Communication Satellites, Switching, Multiplexing, Modems and modulation techniques.

CO 3: The course will help the students to understand the Data Link Layer Design issues, Error Detection and Correction methods, Sliding Window Protocols and LAN technologies.

CO 4: Students will be able to learn about different Routing Algorithms, DNS, E-mail, WWW services, Network Security Issues, security attacks and encryption methods.

#### **Paper-III Practical (SQL and PL/SQL & Web designing using HTML)**

CO 1: The practical will let the students to demonstrate the important HTML tags for designing static pages using HTML.

CO 2: Students will be able to learn the basic structure of HTML using different tags and understand the processes of website development i.e. designing the web page, writing the codes using HTML tags to design Web Pages.

CO 3: Make Students learn to insert text images, animated graphics, lists, tables, forms and to create frames in web pages using HTML tags.

CO 4: Students will be able to learn and use different SQL syntaxes, DDL, DML, DCL commands and Views and techniques to query data in database systems.

CO 5: Students will be able to learn different functions and operators, joins in SQL and to implement complex SQL queries to access data from databases.

**Programme B.Sc. (Physics, Mathematics, Hindi/English) common for B.Sc. Computer Science Programme**

**Programme Outcomes (POs) of B. Sc. (Computer Science)**

PO 1: These days almost every official/ non-official task like submission of online application for admission, recruitment, payment of fees etc. is being done with the help of computer so the study of computer science is beneficial. The Students learn the technology and explore their knowledge in the field of computer related technology.

PO 2: Critical Thinking- The students while studying the subject of computer science may consult the research journals pertaining to computer science for critical analysis of various functions of the computer.

PO 3: Case Study- The students make the projects using various programming languages and develop their creative thinking. They explore themselves in the field of technology. The students are motivated to think about various kinds of problems and try to find the solutions so that they can think about various possible outcomes.

PO 4: Communication Skills- The communication skills of the students are enhanced as they get various opportunities of improving their skills through various presentations, discussions about various topics pertaining to the computer science.

PO 5: Career Orientation- With regard to the career point of view, the course provides opportunities to the students to work with various types of organizations. In today's scenario knowledge of various functions of the computer is required in every organization so, these courses enhance the capabilities of the students so that they are in a position to work with any organization.

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### Programme Specific Outcomes (PSOs) for B.Sc. (Computer Science)

PSO 1: Demonstrate basic knowledge of computer applications and apply standard practices in software project development.

PSO 2: Understand, analyse and develop computer programs for efficient design of computer-based systems varying complexity.

PSO 3: Programme also open the path for master degree in computer science and in the field of IT, Management, banking and public sectors.

PSO 4: Students make the projects using various programming languages and develop their critical and creative thinking.

### COURSE OUTCOME

**Name of Programme: BTM**

#### Semester-I

#### Paper: BTM 101 English (Compulsory)

CO 1: The course provides an opportunity to the students to improve their pronunciation with the help of speech sounds and symbols.

CO 2: A brief analysis of essays included in the textbook would help the students to study different aspects of one's societal life on the whole.

CO 3: With the help of vocabulary exercises students can improve their vocabulary which in turn helps them to improve their comprehension.

#### Paper: BTM 102 हिंदी (अनिवार्य)

CO 1: मध्यकालीन काव्य-कुंज के अंतर्गत-हिंदी साहित्य के मध्यकालीन कवियों (कबीर, सूरदास, तुलसीदास, मीराबाई, बिहारी, घनानंद तथा रसखान) के महान एवं प्रेरणादाई व्यक्तित्व एवं कृतित्व से उनके द्वारा रचित साहित्य के भागवत एवं शिल्पगत सौन्दर्य से, उनके द्वारा प्रतिपादित उच्च जीवन मूल्यों से विद्यार्थियों को परिचित कराना।

CO 2: हिंदी साहित्य का आदिकाल के अंतर्गत- हिंदी साहित्य के इतिहास को लिखने की परंपरा के आरंभ विकास से परिचित कराते हुए उसकी व्यापकता का बोध कराना। हिंदी साहित्य के आरंभिक काल 'आदिकाल' से नामकरण में विभिन्न



विद्वानों द्वारा दिए गए नामों का उल्लेख करते हुए 'आदिकाल' नाम की सार्थकता से अवगत कराना। आदिकाल की राजनीतिक, सामाजिक, आर्थिक, धार्मिक, सांस्कृतिक परिस्थितियों से प्रभावित आदिकालीन हिंदी साहित्य से परिचित कराना। आदिकाल की वीररस से परिपूर्ण रासो काव्य परंपरा के माध्यम से भारतीय राजाओं की शौर्यपूर्ण गाथाओं से, राजनीतिक कौशल से, दरबारी कवियों के रासो काव्य के रचनात्मक उद्देश्य एवं सौष्टव से परिचित कराना।

CO 3: काव्यशास्त्र पर आधारित विषय के अंतर्गत- काव्य के स्वरूप का निर्माण करने वाले प्रमुख तत्वों-बुद्धि, कल्पना, भाव, विचार और भाषा का ज्ञान प्रदान करना। रस के स्वरूप, अंग एवं वेदों से परिचित कराते हुए काव्य के भावपक्ष पर प्रकाश डालना। अलंकार, छंद, शब्दशक्तियों तथा शब्दगुणों के द्वारा काव्य के शिल्प सौन्दर्य का विश्लेषण करते हुए काव्य रचना हेतु विद्यार्थियों को प्रेरित करना।

### **Paper: BTM 103 Business Environment for Tourism**

CO 1: After completing this course students will be able to understand the nature of business environment and its components in tourism sector.

CO 2: Students being aware about the environmental factor that affect the tourism industry.

CO 3: The students will be able to explain the effect of government policies in tourism sector.

CO 4: It also helps them in analyzing how an entity operates in a business environment and its effect on tourism industries.

CO 5: Students will be able to explain the legal framework that regulates the tourism in business environment.

### **Paper: BTM 104 Introduction to Tourism**

CO 1: The primary purpose of the paper is to acquaint the students about the basic and preliminary knowledge of the terms, concepts, systems and trends in tourism.

CO 2: It will form the first step to move forward to interact with the advanced knowledge pertaining to tourism.

CO 3: Students will be able to understand motivational factors.

### **Paper: BTM 105 Tourism Products of India (Natural)**

CO 1: This course helps the students to understand about India Physiographic.

CO 2: Would be able to understand the attraction may be natural or manmade.

CO 3: This course will help the students to give an insight about the rich natural tourist product of India.

CO 4: Students would be able to understand India as seventh largest country with rich diversity of natural tourist resources.

**Paper: BTM 106 Tourism Products of India (Cultural)**

CO 1: The paper gives a basic understanding of the concept of cultural culture and that too in the Indian context.

CO 2: It becomes essential for the student of tourism to have first-hand information of Indian cultural and to understand its significance for tourism.

CO 3: Students will be able to understand the cultural of India.

**Semester-II**

**Paper: BTM 201 English Compulsory**

CO 1: There are short stories prescribed in the syllabus. By reading short stories, students are totally attached with the characters of stories. These stories have life like incidents.

CO 2: Sometimes the characters of the stories become role model for the students.

CO 3: The students get the detailed knowledge and practice through the sentences, voices and various topics of grammar and it will help them to develop oratory and writing skills along with good vocabulary.

**Paper: BTM 102 हिंदी (अनिवार्य)**

CO 1: 'ध्रुवस्वामिनी' नाटक के अंतर्गत- नाटककार जयशंकर प्रसाद के व्यक्तित्व एवं कृतित्व का विश्लेषण करते हुए उनकी नाट्यकला पर प्रकाश डालना। ध्रुवस्वामिनी नाटक के कथानक, पात्र योजना, रंगमंचीयता, अभिनयता तथा उद्देश्य के आधार पर समीक्षात्मक अध्ययन करना। नाटक के माध्यम से नारी के अंतर्द्वंद और उसकी सामाजिक स्थिति के संदर्भ में विद्यार्थियों को परिचित कराना। ध्रुवस्वामिनी के ऐतिहासिक चरित्र के माध्यम से नारीसशक्तिकरण के संदर्भ में समकालीन प्रासंगिकता पर विचार करना। जीवन में आधारित-कर्तव्य, न्याय-अन्याय, वीरता-कायरता, मान-अपमान के अंतर को स्पष्ट करते हुए नाटक के उद्देश्य से छात्रों को परिचित कराना।

- CO 2: 'हिंदी साहित्य का भक्तिकाल' के अंतर्गत- हिंदी साहित्य के स्वर्णयुग 'भक्तिकाल' की पृष्ठभूमि की चर्चा करते हुए उसकी सामाजिक, राजनीतिक, आर्थिक, धार्मिक, सांस्कृतिक परिस्थितियों का विश्लेषण करना। भक्तिकाल में रचित संतकाव्य, सूफीकाव्य, रामकाव्य और कृष्णकाव्य की भावगत, विचारगत, भाषागत विशेषताओं से अवगत करना। मध्यकालीन भारत में रचित भक्ति साहित्य की स्वर्णयुग के रूप में भूमिका एवं महत्ता पर प्रकाश डालना।
- CO 3: 'व्यावहारिक हिंदी' के अंतर्गत- हिंदी भाषा की परिभाषा, बोली, राजभाषा, राष्ट्रभाषा, मानकभाषा आदि विविध रूपों, विशेषताओं, हिंदी वर्णमाला, हिंदी वर्तनी की समस्या-समाधान, मुहावरे एवं लोकोक्तियों के आधार पर हिंदी भाषा के व्यवहारिक रूप की जानकारी प्रदान करना।

**Paper: BTM 203 Geography of Tourism**

- CO 1: This course helps the students to understand about characteristics of tourist markets, attraction of destinations and the accessibility of the world with a focus on a few selected countries of world.
- CO 2: This course has been simplified with very few case studies and broad information about the continents, so that in next semesters the BTM students can know more specific countries and destinations.
- CO 3: Students would be able to understand place of destination and routes through which the travel and tourism take place.

**Paper: BTM 204 Transport Management**

- CO 1: Transport is most important elements of travel and tourism business.
- CO 2: The course focuses on different modes of transport and their role in tourism.
- CO 3: Students would be able to organize structures and functions.
- CO 4: This course will help to understand the surface transportation.

**Paper: BTM 205 Tourism Documentation**

- CO 1: The students of tourism should know about such formalities which are needed in the form of several documents.
- CO 2: In this course the students will learn about required documents in foreign travels.
- CO 3: This course will help to understand International tourism involves several types of formalities.

**Paper: BTM 206 Haryana Tourism**

- CO 1: The course aims at providing a comprehensive overview on Haryana tourism.
- CO 2: Would be able to understand critically examiners exiting tourism planning and policy framework and reviews the performance of Haryana in the context of both domestic and International.
- CO 3: This course will help the students to learn about the religious and pilgrimage centers of Haryana.

**Semester-III****Paper: BTM 301 English (Compulsory)**

- CO 1: William Shakespeare, Alexander Pope, Thomas Gray and William Wordsworth etc are the celebrated poets of their particular age, so the knowledge of the students about literature is enhanced.
- CO 2: As the poems taken into the book cover a wide range of forms of expression, the students are able to develop an understanding of nuances of a variety of poetic expression.
- CO 3: Comprehension questions that followed are designed to help students develop and hone their linguistic competence.
- CO 4: The course also helped the students to understand and practice the exact pronunciation of English words.
- CO 5: Enrich the students' ability to critically appreciate the poetic expressions.

**Paper: BTM 302 Tourism in India**

- CO 1: In this course few important and popular tourist destinations are mentioned, so that the students can know about main tourist attractions of given places.
- CO 2: The students of tourism should know about administration of tourism in India.
- CO 3: The course will help to understand the culture the cultural, pilgrimage, wildlife and mice tourism.

**Paper: BTM 303 Hotel Business**

CO 1: Main objective of this paper is to introduce accommodation sector to the students of tourism.

CO 2: This paper will touch upon various aspects of accommodation, hotel and hospitality sector.

CO 3: Would be able to understand growth and components of Hotel and Tourism Industry.

**Paper: BTM 304 HRM in Tourism**

CO 1: After completing this course, students will be able to work collaboratively in groups, both as a leader and a team member and in the diverse environments.

CO 2: To develop the understanding of the concepts of human resource management and to understand its relevance in the tourism.

CO 3: To develop necessary skill set for application of various HR issues in tourism.

CO 4: To analyze the strategic issues and strategies required to select and develop manpower resources.

**Paper: BTM 305 Computer Applications in Tourism**

CO 1: Understand, Identify and Analyze the concept of computer hardware, software, network components.

CO 2: Familiar with the way how to use MS Word, MS Excel in Tourism Sector.

CO 3: Understand how to use PowerPoint presentation and how they can present their skills in tourism sector.

CO 4: Development of communication skills.

CO 5: Understand the concept of E-Commerce and how to use it.

CO 6: Understand the concept of ICT sector and CRS system with respect to tourism sector.

CO 7: Familiar with internet, history and search engines.

**Paper: BTM 306 Communication Skills and Personality Development**

CO 1: To develop communication skills as well as positive Personality Traits.

CO 2: To acquire a language suitable for technical communication.

CO 3: To inculcate the habit of regular reading and writing.

CO 4: Make use of techniques for self-awareness and self-development.

#### **Semester-IV**

##### **Paper: BTM 401 English (Compulsory)**

CO 1: As the plays are taken from various socio-cultural contexts and cover a wide range of dramatic expressions, enriched the students' knowledge about various dramatic forms and their surroundings.

CO 2: Comprehension questions that followed developed and sharpened the students writing and critical thinking skills.

CO 3: Each chapter includes exercises of vocabulary and writing skills that enhanced students' vocabulary of language and composition skills.

CO 4: Ample practice exercises are provided in writing e-mails, dialogues, resumes and book reviews.

CO 5: The translation exercises from Hindi to English and English to Hindi enabled the students to use the language fluently.

CO 6: The course also made the students to understand and practice the pronunciation of English words and thus increased their language proficiency.

##### **Paper: BTM 402 Pilgrimage Tourism**

CO 1: This course will help to understand pilgrimage tourism.

CO 2: The students of tourism should know about Hinduism, Buddhism and Jainism philosophy.

CO 3: For BTM students Pilgrimage tourism provides a large number scope of employment opportunity.

##### **Paper: BTM 403 Principles of Management**

CO 1: Students will be able to identify and communicate the purpose and functions of management.

CO 2: Explain the key factors of leadership skills, power and politics.

CO 3: Discuss methods of employee compensation and their impact on employee motivation.

CO 4: Apply the concepts of decision making in a business situation.

**Paper: BTM 404 Tourism Marketing**

CO 1: Analyzes the difference between marketing goods and services.

CO 2: Evaluates the aspect of marketing mix elements in tourism products marketing.

CO 3: Explains the characteristics of products in marketing mix in tourism marketing.

CO 4: Explains the characteristics of price in marketing mix in tourism marketing.

CO 5: Explains the characteristics of distribution in marketing mix in tourism marketing.

**Paper: BTM 405 An Introduction to Travel Agency and Tour Operations Business in India**

CO 1: This study includes the Functions, Regulations for Recognition of Travel Agents, Tour operators and Excursion Agents.

CO 2: This course will help the students to give meaning, definition, types, significance and growth over the years.

CO 3: The learner will also be familiarized with the contribution of Important Association in this sector.

**Paper: BTM 406 Communicative English**

After completing this course, the learners will be able to:

CO 1: Recognize and describe the changes in the development of English language in India.

CO 2: Recognize and understand the main features of British, American and Indian English.

CO 3: Develop vocabulary and improve the accuracy in grammar.

CO 4: Develop confidence in oral and interpersonal communication by reinforcing the basics of vocabulary specially focusing on national and international tourism.

CO 5: To draft effective business correspondence with brevity and clarity.

**Semester-V****Paper: BTM 501 English (Compulsory)**

After Completing the Novel Raja Rao's 'Kanthpura' given in course, the students will be able to:

- CO 1: Understand Indian English Literature and its forms.
- CO 2: Penetrate the colonialism and post-colonialism.
- CO 3: Understand Raja Rao's ideology and his style of writing.
- CO 4: Understand the pre-independence scenario reflecting social differences, political strategies and religious conflicts.
- CO 5: Enhance their critical reading and writing skills.
- CO 6: Know the origin, development and forms of novel.
- CO 7: Understand different literacy devices.
- CO 8: Improve their speaking specially pronunciation of words.

**Paper: BTM 502 Impacts of Tourism**

- CO 1: The students shall be given exposure of the patterns of development in tourism mainly in reference to the developing countries.
- CO 2: The study of the positive as well as the negative impacts of tourism becomes essential to understand the benefits and lose of tourism development.
- CO 3: This course will help the students to learn about Positive and Negative Impacts of Tourism.

**Paper: BTM 503 Accounting for Tourism**

- CO 1: After completing this course students will enable to combine practical and theoretical knowledge of financial accounting in tourism sector.
- CO 2: The students of this course will be active learners and develop awareness of emerging trends in financial accounting in regards to traveling agencies.
- CO 3: The course will provide decision making skills to the students in the financial analysis context and they able to effectively implement in tourism sector.



CO 4: The students of this course will have the ability to identify and analyze financial accounting problems and opportunities in real life situations.

**Paper: BTM 504 Sustainable Tourism**

CO 1: To prepare the budding tourism professional by providing basic knowledge about sustainable tourism related skills.

CO 2: This course will help to understand Ecotourism, carrying capacity, de marketing fair, pricing, transportation, education, role of industry.

CO 3: Students would be able to dimension of sustainable tourism.

**Paper: BTM 505 Entrepreneurship in Tourism**

CO 1: To prepare the budding entrepreneurs in tourism and to provide the students basic knowledge of entrepreneurship and entrepreneurial skills.

CO 2: This course will help the students to provide the knowledge about the marketing channels.

CO 3: Students would be able to learn concept of entrepreneurship.

**Paper: BTM 506 International Tourism**

CO 1: This paper provides a comprehensive view of the tourism and patterns at International level.

CO 2: The knowledge of the forces and factor responsible for tourism growth is other area of discussion in the paper.

CO 3: The paper is primarily based on the statistics available at various websites.

**Semester-VI**

**Paper: BTM 601 English (Compulsory)**

After Completing the Shakespeare's 'The Merchant of Venice' given in course, the students will be able to:

CO 1: Understand the drama especially Elizabethan drama and its forms.

CO 2: Be familiarized with the great dramatist and his university.

CO 3: Be conversant with the social problems and complexity of relations through this one text only.

**Paper: BTM 602 Tourism Administration in India**

CO 1: The students should be able to understand role of ministry of tourism, government of India in terms of its organization.

CO 2: This course will help to understand tourism planning in India.

CO 3: This course will help to understand tourism administration in India.

**Paper: BTM 603 Economics of Tourism**

CO 1: The students will be able to identify the theoretical and Conceptual Basis of Economic analysis of Tourism.

CO 2: Describing the demand and supply of tourism.

CO 3: Identify the impacts and benefits, liberalization, privatization, globalization have on the Tourism Sector.

CO 4: Analyze the FDI in Tourism trends and implications.

CO 5: Understand the Economic impacts of Tourism and issues of Tourism Taxation.

**Paper: BTM 604 Adventure Tourism**

CO 1: Adventure Tourism is a new but popular type of tourism in India.

CO 2: For BTM students Adventure Tourism provides a large scope of employment opportunity.

CO 3: This course helps in understanding the resources potential for adventure tourism in India, existing popular destinations and activities.

**Paper: BTM 605 Tourist Guiding**

CO 1: The students of BTM should know the personality, functions and basic qualifications of a tourist guide and escort so that they can contribute to tourism industry as a tourist escort or a guide if they like. It is very challenging and interesting job where he meets and interacts with new persons from different parts.

CO 2: This course will help to understand tourist escort or guide as one of the essential linkages between tourist and the destination.

**Paper: BTM 606 Salesmanship in Tourism**

CO 1: After completing this course the students will be able to understand the importance of personal selling and sales management in Tourism Sector.

CO 2: They become capable sales forecasting and prepare sales budgeting.

CO 3: This course outcome also enriches the essential qualities of sales force.

CO 4: They become aware about the recruitment, selection and training of the sales forces.

**Programme Outcomes (POs) for B.T.M.**

PO 1: Tourism courses provide vocational training of 42 days to students keen on pursuing a career in aviation or the travel and tourism.

PO 2: They also learn excellent communication on skills that broaden the job prospects or understand candidates.

PO 3: A lot of professional opportunities are open for students once they finish a bachelor degree from any Institute/College.

PO 4: The jobs that can be directly available to students include: Tour Manager, Holiday, Representation, Tourism Officer, Airlines, Hotels.

**Programme Specific Outcome (PSOs) for B.T.M.**

PSO 1: A degree in tourism teaches student about business management, marketing fundamentals, human resources, project management sustainability, cross-culture awareness and so much more.

PSO 2: The knowledge and skill required through the programme is essential and useful for a variety of different careers.

PSO 3: Students learn about sustainable tourism and how they can mitigate the negative impact of travel an environment.

PSO 4: Students who opt for tourism and hospitality-based course get employed in many areas.

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## COURSE OUTCOMES

**Name of Programme- M.A. (English)**

### **Semester- I**

#### **Paper: MENG 101 Literature in English: 1550-1660 (Part- I)**

Course Description: The paper envisages to acquaint the students with the literary historical movement i.e. Renaissance, Jacobean, Puritanism, Rise and fall of drama and development of English Literature during the period.

CO 1: The students will come to know about the major literary figures/movements of the above-mentioned period.

CO 2: They will also learn how the literature of the period paved the way for upcoming writers.

CO 3: The students will also learn about the different genres of literatures such as tragedy, comedy, romantic-comedy, melodrama, problematic drama and poetic forms will also be familiarized with.

#### **Paper: MENG 102 Literature in English: 1660-1798 (Part- I)**

CO 1: The writers included in the semester are William Congreve, R. B. Sheridan, John Dryden and Alexander Pope.

CO 2: The prescribed books written by above writers are 'The way to the world', 'The school for Scandal Absalom and Achitophel' and 'The Rape of the Lock'.

CO 3: By reading these books students get the idea of Restoration age. They come to know about the living standard of aristocratic of the age.

#### **Paper: MENG 103 Literature in English: 1798-1914 (Part- I)**

CO 1: This paper represents the Victorian age. Students learn about the romantic Poet William Wordsworth's Philosophy and his love for nature.

CO 2: John Keat's poems fill the students with the spirit of imagination in life.

CO 3: By regarding George Eliot's 'The mill on the floss' and Charles Dickens' 'oliver Twist', students learn that Literature is the reflection of life.

**Paper: MENG 104 Literature in English: 1914-2000 (Part- I)**

CO 1: Students will be able to understand the Era of literature in English.

CO 2: In this paper they understand the circumstances of pre and post war i.e. in post modernism Literature (1914-2000).

CO 3: Students come to know the writings of writer's like- T. S. Eliot, Philip Larkin, E. M. Forster and Lucky Jim Etc.

CO 4: It gives a better understanding of the world which is not experienced by the students.

CO 5: Beyond the simple entertainment of a good story in Literature, students gain compassion for a wide range of people across cultures and time periods.

**Paper: MENG 105(I) Study of a Genre Fiction (Part-I) (Option- i)**

CO 1: The fifth paper in M.A. English Previous has three options: (1) Poetry (2) Drama (3) Fiction. Students opted fiction.

CO 2: In fiction there are stories which inspire the students how to deal with the difficult situations in life.

CO 3: Virginia Woolf's 'To the Lighthouse' gives the idea of fixed direction. E.M. Forster's 'Aspects of the Novel' suggest the students about the different parts of the novel such as Rhythm, Flat and Round Characters etc.

CO 4: Students get the knowledge of Literacy devices of the English Language.

CO 5: In the second semester Jane Austen and James Joyce are the important writers in the prescribed syllabus. By reading the books of these writers' students are able to know about different aspects of life and literature.

**Semester- II**

**Paper: MENG 201 Literature in English: 1550-1660(Part II)**

Course Description- The paper envisages to acquaint the students with the literary historical movement i.e. Renaissance, Jacobean, Puritanism, Rise and fall of drama.

CO 1: In this course students will come to know about the major literary figures i.e. John Milton, Shakespeare etc.

CO 2: They will also learn the major movements of the period.

CO 3: They will also learn how the classical Literature paved the way the upcoming writers.

CO 4: Students will also learn about the different genres of Literature such as tragedy, comedy, melodrama, Moral plays etc.

**Paper: MENG 202 Literature in English: 1660-1798 (Part II)**

CO 1: In the second semester the prescribed writers are Robinson Crusoe, Joseph Andrew, Josep Addison and Richard Steele and Samuel Johnson.

CO 2: Students compare the manners of the age with the manners of Indian culture. They conclude that one should adopt fait means not foul means to be successful in life.

CO 3: By reading the above Writer's books, students get the knowledge about Realism and Symbolism in Literature.

**Paper: MENG 203 Literature in English: 1798-1914 (Part II)**

CO 1: In the second semester the poems of Robert Browning fill the students with optimistic attitude. Thomas Hardy, Bernard Shaw and Gustav Flaubert are the important Writers prescribed in the syllabus.

CO 2: The novel of the above writers is very useful in life and Literature.

CO 3: This paper represents the Victorian Age.

**Paper: MENG 204 Literature in English: 1914-2000 (Part II)**

CO 1: This course gives a better understanding of writers in the era of 1914-2000.

CO 2: R. K. Narayan's 'The Guide' is most interesting novel about Indian culture village.

CO 3: The poetry of Nissin Ezekiel presents an Indian aspect to the students.

CO 4: Indianness, Patriotism is presented in very colloquial language.

CO 5: By 'Death of a Salesman', 'The Outsider' compassionate story, they can understand post modernism Literature.

**Paper: MENG 205 Study of a Genre Fiction (Part II) (Option-i)**

CO 1: In fiction there are stories. So, students inspired and dials with life situations.

CO 2: Students know the difference between Rhythm and Character etc.

CO 3: Fames Joyce and Jane Austen are writers who play great role in fiction.

CO 4: By reading the books in this paper, students can understand psychological and different concept of life.

### **Semester- III**

#### **Paper: MENG 301 Critical Theory (Part- I)**

CO 1: Students are able to develop the skills of criticism, means to judge someone by his qualities as well as weakness.

CO 2: Engage students activate high order thinking skill such as logical reasoning, evolution.

CO 3: This paper develops the student's ability to express an opinion, arguments and sum up the ideas.

CO 4: Students are able to understand the rules to criticism of poetry, prose and other forms of Literature.

CO 5: Students enjoyed a lot to the theory of Rosa And Bhava in 'Natyashastra' through actions and gestures.

#### **Paper: MENG 302 American Literature (Part- I)**

Course Description: A survey of American Literature from period of exploration and settlement to the present. Students will study works of prose, poetry, drama and fiction in relation to their historical and culture contexts.

CO 1: Critical Thinking- This course develops critical thinking, creative thinking, innovation, inquiry and analysis, evaluation and syntheses of information.

CO 2: Communication-To include the effective development, interpretation and expression of ideas through written and visual communication.

CO 3: Social Responsibility: This course develops intercultural competence, knowledge of Civic responsibility, and the ability to engage effectively in regional, national and global communities.

CO 4: Personal Responsibility- This course develops the ability to connect choices, actions, and consequences to ethical decision-making.

#### **Paper: MENG 303 Indian Writing in English (Part- I)**

Course Description: This course introduces nineteenth century Reform Movements in India, The Indian National Movement; Rise of the Indian Novel; Caste- Class; The new Indian Woman. It also offers the details study of the themes and techniques of the Indian Novel in English.

CO 1: Social, Political and Culture issues- It makes the students aware, political and critical issues reflected in Indian Writing in English.

CO 2: It also aware the students about Indian social reformation, Freedom struggle, women education and empowerment in nineteenth century.

CO 3: Language- Students would appreciate the artistic and innovative use of language employed by the writers to instill the values and develop human concern in students through exposure to literary texts.

**Paper: MENG 304(II) Phonetics English Language (Part- I) (Option ii)**

CO 1: The Syllabus prescribed for this paper is speech mechanism, Phonetics and History of English Language.

CO 2: In the third Semester the main topic is of Phonetics. Phonetics is the scientific study of speech sounds. The students learn about the production of speech sounds. They get knowledge how sounds are produced by different organs of speech.

CO 3: Students learn about the origin of English language and they also get knowledge about the Celtic, Latin and Renaissance influence on English language.

**Paper: MENG 305(I) Literature and Gender (Part- I) (Option i)**

CO 1: This paper shows the contributions of women writers in English Literature.

CO 2: In the previous era female writers had not the right to write in Literature but a few female writers raised the voice of Protest and began to write.

CO 3: The prescribed book for this paper gives the idea that women are equal to men.

**Semester- IV**

**Paper: XVI Critical Theory (Part- II)**

CO 1: In this paper students are able to study the essay of Virginia, Woolf, T.S. Eliot and I. A. Richards.



CO 2: Wordsworth's 'Preface to Lyrical Ballad' is an introduction to the study of Lyrical Ballad.

CO 3: Arnold's 'Essay in criticism' presents the critical views about study of poetry, John, Keats.

CO 4: Saussure 'Object of study', Showalter 'Feminist criticism in Wilderness'. These essays built a new aspect in students about Literature.

CO 5: Better understanding of Literature and critical aspect gives compassion to the student.

**Paper: XVII American Literature (Part- II)**

Course Description: A survey of American Literature from the period of exploration and settlement of the present. Students will study works of prose, poetry, drama and fiction in relation to the historical and cultural contexts.

CO 1: This course develops critical thinking and creative thinking among the students.

CO 2: This course develops the understanding of American Literature among the students.

CO 3: This course develops the ability to connect choices, actions and consequences to ethical making.

CO 4: This course develops intercultural competence, knowledge of civic responsibility and the ability to engage effectively in regional, national and global communities.

**Paper: XVIII Indian Writing in English (Part- II)**

Course Description: This course introduces the Indian National Movement, Rise of the Indian novel and novelist, Caste-class and The New Indian Woman. It also offers the detail study of the themes and techniques of the Indian novel in English.

CO 1: It makes the students aware of social, political and culture issues reflected in Indian writing in English.

CO 2: Through this course students also aware about Indian Social reformation, freedom struggle, women education and empowerment in nineteenth century.

CO 3: Students would appreciate the artistic and innovative use of language use by the writers.

CO 4: This course also teaches students the feelings of Indian woman and Indian tradition through Jayanta Mahapatra and Kamala poetry.

**Paper: XIX(II) English Language (Part- II) (Option ii)**

- CO 1: The syllabus prescribed for this paper is clauses, ELT methods and critical appreciation etc.
- CO 2: Students learn about the English language Teaching Methods such as Grammar Translation Method, Direct Method etc.
- CO 3: Students get the knowledge of Clauses i.e. Noun clause, Adverbial and Relative clauses etc.
- CO 4: Students read the whole poem and critically examine the poem and this make a critical appreciation of the poem.

**Paper: XX(I) Literature and Gender (Part- II) (Option i)**

- CO 1: Feminism is the main concept and topic in the paper.
- CO 2: Female writers raised the voice of women on behalf of women all over the world.
- CO 3: Students are able to understand the position of women in all over world in past or present.
- CO 4: So, reading of this paper and understanding of concept make students aware.

**Programme Outcomes (POs) for M.A. (English)**

- PO 1: The students acquire knowledge in the field of Literature and Language.
- PO 2: The students are able to know the tendencies and traditions of different ages of English Literature.
- PO 3: The M.A. Programme enhances the confidence of the students through carefully chosen the option prescribes in the syllabus.
- PO 4: The M.A. Programme enables the students the students to acquire the knowledge with human values.
- PO 5: The students prepare themselves according to the bold characters given in the novels and plays.
- PO 6: The students are given exposure to think of the solutions of various issues in life.
- PO 7: The M.A. Programme empowers the students to appear for various competitive examinations.

PO 8: The M.A. Programme enhances the knowledge of the students about history of English Literature.

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**Programme Specific Outcomes (PSOs) for M.A. (English)**

PSO 1: The postgraduates will be acquainted with the philosophical and Psychological thinking.

PSO 2: The programme will enable the students to think and act over for the solution of various problems prevailed in the human life.

PSO 3: The programme will impart the practical knowledge of Literature and languages.

PSO 4: The programme will empower the students to acquire in-depth knowledge of effective presentation.

PSO 5: The students will understand the concept of literary terms applied to the novels.

PSO 6: The students will understand the rhythmic and tonic concepts of Poems.

PSO 7: The programme will prepare the students to avail opportunities available in the literary field and also in the co-corporate field.

PSO 8: English is an international language. So, its importance can be felt in every field of education and technical field.

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**COURSE OUTCOME**

**Name of Programme: M. Com**

**Semester-I**

**Paper: MC 101 Organizational Behaviour**

CO 1: To acknowledge the basic concepts of OB i.e. understanding human behaviour, perception in the organization.

CO 2: Basic understanding of psychological attributes like personality wise behavior of the clients and learning modules help the students to better appreciate the behavioral manifestations in any organization.

CO 3: Understanding of behavioral manifestations also helps students to understand the transaction analysis of the client and self.

**Paper: MC 102 Business Environment**

CO 1: Students will be able to familiarize with the nature of business environment and its components.

CO 2: Students will be able to apply the techniques available for scanning and monitoring the environment.

CO 3: Students will be able to analyze the economic policies related with Industrial Development.

CO 4: Students will be able to have some insight into the concepts of corporate governance and social responsibility.

CO 5: Students will be able to reflect on the need and importance of ensuring ethics in business.

CO 6: Students will be able to understand the legal framework that regulates the FEMA Act.

CO 7: Students will be able to analyze the effects of government policy on the economic environment and industrial policy.

CO 8: Students will be able to demonstrate knowledge of the trade practices provision of the Competition Act, RTI Act and Consumer Protection Act.

**Paper: MC 103 Managerial Economics**

CO 1: Students will be able to understand the importance and scope of managerial economics and also able to differentiate between Economics and Managerial Economics.

CO 2: They understand the concept of demand, its elasticity and importance of price, income and cross elasticity of demand in strategic decision making.

CO 3: Students are also made aware of inflation its causes and how it affects an economy in its growth.

CO 4: This course also enables them to understand the various phases of Trade cycle in an Economy.

CO 5: Understanding markets classified on the basis of autonomy and power of sellers and buyers and its significance.

CO 6: This helps students to understand price and output determination in short and long period in different market structure.

**Paper: MC 104 Company Law**

CO 1: Students will be able to describe the basic rules and concept of Company Law such as separate legal personality, limited liability and the duties of company directors.

CO 2: Develop awareness about legal documents of company and its formation procedure.

CO 3: Students are acquainted with the knowledge of right attach with share and procedure of transfer and transmission of shares.

CO 4: Develop an awareness of the socio-legal and economic dimensions of Company Law.

CO 5: It enables the students to identify area of Company Law in need to Reform and able to explain why that reform would be beneficial.

CO 6: To make students understand the procedure of merger, acquisition and winding up of company.

**Paper: MC 105 Accounting for Managerial Decision**

CO 1: This course provides knowledge about the role of management accounting for managerial decision making.

CO 2: This teaches how reporting is done at all levels of management and how the responsibilities are ascertained.

CO 3: This enables to understand the concept of Break Even Point and its implications to ascertain profitability of business.

CO 4: This course teaches the way of formulating different types of budgets and their use.

CO 5: This course will teach the students about the methods of finding out variances between actual and standards so that they can remove within time.

CO 6: Here the students understand the concepts of changes in price level and their adjustments in business financial statements to make it more appropriate.

CO 7: This course create understanding about emerging issues like quality costing, value chain analysis, target costing and life cycle costing.

**Paper: MC 106 Marketing Management**

CO 1: The students will know the concept, scope and importance of marketing.

CO 2: The course will help in understanding the marketing mix and marketing environment i.e. internal and external environment.

CO 3: To make aware the students about different types of consumer behaviour and different stages of product life cycle.

CO 4: It helps in acquiring the knowledge about different promotion programmes like advertising, sales promotion, personal selling, publicity and public relations.

**Semester-II**

**Paper: MC 201 Human Resource Management**

CO 1: Students will get knowledge regarding various aspects of Human Resource Management like Human Resource Planning, Recruitment, Selection, Placement etc.

CO 2: Through this course, students will gain insight regarding various sub-systems of Human Resource Management like Training and Development, Performance and Reward Management.

CO 3: With the help of this course, students will get to know about various components of Human Resource Management i.e. Industrial Relations, Employee Grievance Handling etc.

CO 4: After completion, students can apply their acquired knowledge through Role Playing, Assessment Centre, and Case Study etc.

**Paper: MC 202 International Business Environment**

CO 1: Students should be able to explain how different environment factor encountered in international market place.

CO 2: Apply the trade theories, foreign exchange theories, regional trading bloc theories and their impact on economic welfare.

CO 3: Students will learn about various international financial institutions and their working.

CO 4: It develops an understanding about foreign exchange determination.

**Paper: MC 203 Strategic Marketing**

CO 1: The course will enable the students to understand about strategy, marketing strategy.

CO 2: Students will be able to explain the marketing and strategy concepts and ideas in their own words.

CO 3: The course enables the students to understand competitive analysis, portfolio analysis, and internal and external environment analysis.

CO 4: To enhance the further knowledge of students about marketing strategy implementation and controlling marketing strategies.

**Paper: MC 204 Financial Management and Policy**

CO 1: This course teaches to manage the finance. It teaches the ways to calculate the financial needs, ways to acquire as well as use the finance efficiently.

CO 2: Students understand the techniques of financial planning and forecasting.

CO 3: It provides knowledge about capital budgeting decisions.

CO 4: It teaches the methods to calculate the cost of capital (Different sources of finance).

CO 5: It creates understanding to manage the working capital.

**Paper: MC 205 Corporate Accounting**

CO 1: After completing this course students will understand the concepts of amalgamation, absorption and reconstruction.

CO 2: To develop knowledge of holding companies account.

CO 3: The course enables the students to prepare the financial statements of a company.

CO 4: The course enables the students to understand the difficult issues related to issue and redemption of shares.

**Paper: MC 206 Business Statistics**

CO 1: The specific course will help the students to understand statistical methods with a focus on its application in real business environment.

CO 2: It will help to interpret statistical analysis tools which are commonly used in the workplace.

CO 3: Through this course, students will understand the concept of correlation and regression of two or more variables

CO 4: Students will get knowledge regarding how to use statistical in daily business problems like index number, time series.

CO 5: It will help in understanding the concept of probability theoretical and binomial distributions.

**Semester-III**

**Paper: MC 301 Computer Applications in Business**

CO 1: Students understand the concepts of computers in business.

CO 2: Get the practical experience to solve the practical problems related to business.

CO 3: Students learn to prepare Presentations and they can enhance their presentation skills.

CO 4: Students attain the knowledge related to information technology in business and various multimedia technologies.

CO 5: Concepts of database, system software, application software etc. are cleared.

**Paper: MC 303 Security Analysis and Investment Management**

CO 1: Students will be able to understand the meaning and various avenues available for investment.

CO 2: Analyze the relationship of Risk and Return.

CO 3: Students learn to measure the Risk and Return.

CO 4: To make students understand the Depository System, Linkage of primary and secondary market and Listing of securities in stock exchange.

CO 5: Students learn to calculate the value of bond and equity.

CO 6: Gain knowledge of fundamental and technical approach to predict stock prices.

CO 7: Students would be able to understand and differentiate the efficient and inefficient market.

**Paper: MC 311 International Marketing**

CO 1: To develop an understanding of International Marketing environment.

CO 2: To understand the different marketing P's i.e. Product, Price, Place, Promotion decisions in practical life.

CO 3: To understand the differences between domestic and international market aspects.

CO 4: To understand about new strategies to enter into foreign market.

**Paper: MC 313 Retail Management**

CO 1: The course assists the students in understanding the concept of retail, various functions of retail and new technology in retail.

CO 2: It describes the role of internet in retail and provides opportunity for the students to view the globalization of the retail industry in terms of different types and formats of retailing.

CO 3: The course describes how consumer decision making process effect retailers and describe how change in operational variable affect all channel members.

CO 4: Helps in developing a retail strategy that appeal to a specific target market which includes location, layout/design, merchandise, pricing and promotion.

**Paper: MC 314 Entrepreneurship Development**

CO 1: This course builds the entrepreneurship skills among the students.

CO 2: They become aware about the various entrepreneur development programmes.



CO 3: This course also increases the knowledge of students and understanding of how to start a small-scale industry, registration procedures and the list of items that are reserved for small scale industry.

CO 4: It also builds clarity in mind of students how to assess the demand and supply in potential areas of growth and grab business opportunity.

CO 5: This course also made aware students about air, water and noise pollution standards and control.

CO 6: The main aim of this course is to aware students about various incentives and mold young minds to take up challenges and become employed and provide employment for other.

**Paper: MC 316 Human Resource Development**

CO 1: The course will make students to understand the concept of human resource development matrix and its interventions.

CO 2: Students will get to know holistic perspective regarding human in an organization.

CO 3: The course will lead students to learn and apply human resource development programme like competency mapping, Balance Score Card, Performance appraisal etc.

CO 4: Course will empower students to encourage the dilemmas of life through case study method.

CO 5: Students will be able to get acquainted with organizational culture, climate, effectiveness etc.

**Semester-IV**

**Paper: MC 401 IT and E-Commerce**

CO 1: Understand the concepts of E-Commerce including various business applications of E-Commerce.

CO 2: Students understand various business models used in E-Commerce.

CO 3: Familiarized with technologies for E-Commerce activities and understand the concepts of online banking, online funds transfer, online payments, online share market operations etc.

CO 4: Describes the importance of IT enabled services and challenges.

CO 5: Students can enhance and use their skills to find out various current IT trends.

**Paper: MC 403 Project Planning and Control**

- CO 1: Students will enable to understand how to identify the various investment opportunities.
- CO 2: Helps to understand about different methods of market and demand analysis.
- CO 3: To make aware about means of financing, planning capital structure and different financing schemes of financial institutions.
- CO 4: Helps in gaining knowledge about evaluation of Project and Project review techniques e.g. PERT/CPM.

**Paper: MC 411 Consumer Behaviour**

- CO 1: To make students understand the behaviour of consumer in the market place and their impact on marketing strategy.
- CO 2: Students will be able to identify and explain the basic factors that influence the consumer decision process.
- CO 3: Students learn to relate internal dynamics such as personality, perception, learning, motivation and attitude to the choice consumer make.
- CO 4: Establish the relevance of consumer behaviour theories and concepts to marketing decision.
- CO 5: Recognize social and ethical implications of marketing actions on consumer behaviour.

**Paper: MC 412 Rural Marketing**

- CO 1: This course creates understanding about the differences between rural and urban market, difference between the marketing policies adopted in both.
- CO 2: This course provides knowledge about segmentation strategies in rural areas.
- CO 3: This gives knowledge about marketing challenges in rural areas.
- CO 4: Students come to know about different promotional methods of marketing in rural areas.

**Paper: MC 414 Corporate Governance**

- CO 1: This course enables the students to know about the roles and responsibilities of executive directors, non-executive directors, auditors and company secretaries in ensuring effective corporate governance.
- CO 2: To aware other students about the role of audit in corporate governance.
- CO 3: This course enables the students to understand the importance of corporate governance for maintaining the stability of markets and retaining public confidence in public institutions.
- CO 4: To identify issues usually addressed by corporate governance structures.

CO 5: After completing the course, the students shall be able to understand the essential role of ethical values in business relations and importance of the ethical treatment of others for individual and organizational success.

**Paper: MC 415 International Human Resource Management**

CO 1: After studying this course, students will have the knowledge to understand the issues, challenges pertaining to International Human Resource Management.

CO 2: Studying this course will develop the competency of students with regard to cultural situations.

CO 3: Students will be able to analyze external forces that are having potential to shape International Human Resource Management.

CO 4: Students will get acquainted with strategic and functional roles of Human Resource Manager in international context like Recruitment and Selection, Performance Management, Career Management etc.

**Program Outcomes (POs) for M. Com**

PO 1: To acquaint the students with conventional as well as contemporary areas in the discipline of commerce.

PO 2: To enable the students well versed in national as well as international trends.

PO 3: To provide in depth understanding of all core areas specifically Advanced Accounting Management, International Marketing, Security Market Operations, Organizational Behaviour, Business Environment, Resource Methodology and Tax Planning.

PO 4: To enable the students for conducting business accounting and auditing practices, role of regulatory bodies in corporate and financial sectors, nature of various financial instruments etc.

PO 5: This course offers a number of specialization and practical exposures which would equip the students to face the modern-day challenges in commerce and business at global level.

**Program Specific Outcomes (PSOs) for M. Com**

After the completion of the M. Com course, a student is asked

PSO 1: For pursuing research in chosen areas.

PSO 2: For teaching in schools and colleges after qualifying requisites tests.

PSO 3: For working as Data Analyst.

PSO 4: To work as investment consultants after a brief internship in suitable organizations absorbed in Banking and Insurance Sector as executives.

PSO 5: To work as Marketing Manager, Sales Manager, Accountant, Management Consultant etc. in corporate sector and other organizations.

PSO 6: To enhance the computer literacy and its applicability in business through latest versions and e-commerce principles.

PSO 7: To develop the decision-making skills through various accounting methods, costing methods and practical application of management accounting principles at personal as well as professional level.

### **COURSE OUTCOMES**

**Name of Programme: Fashion Designing (Add On Course)**

**Fashion Designing course enables the students:**

CO 1: To create clothes, accessories as well as footwear of their own choice.

CO 2: To know the technical aspect involved in dress designing process.

CO 3: To learn about traditional textiles.

CO 4: To makes the sketches of the designs.

CO 5: To build and develop a Fashion portfolio.

CO 6: To support particular skills related to pattern drafting, sewing, fashion styling, illustration, design and garment construction.

CO 7: To learn different embroideries and tie & dye techniques.

CO 8: Successful career in the Fashion Industry.

CO 9: To become entrepreneurs in establishing learning Centres.

CO 10: To become a successful entrepreneur, professional and pursue higher education.

### **COURSE OUTCOMES**

**Name of Programme: Secretarial Practice (Add On Course)**

CO 1: The course enables the students to acquire knowledge about office, its functions and importance as controlling and coordinating centre of an organization.

- CO 2: The course will enhance the understanding level about types of office in modern business world and the management of office work and its relation with other departments of an organization.
- CO 3: The course provides knowledge about filing of records, its importance and system of filing including indexing used in present times.
- CO 4: The course aims to make the learners well versed with office machines and equipments used in modern office and other methods of performing office work efficiently.
- CO 5: The course makes the students skilled enough to be employed for office jobs.

### COURSE OUTCOMES

#### Name of Programme: Psychotherapy and Counselling (Add On Course)

- CO 1: The course will provide basic knowledge of the concept, need and goals of Psychotherapy and Counselling.
- CO 2: Students get to know the various principles of counselling and ethics to be followed during Psychotherapy and Counselling session.
- CO 3: It imparts basic knowledge regarding different types of Psychotherapies like Behaviour therapy, client centred therapy, yoga and meditation.
- CO 4: It will help students to learn about the special areas of counselling and how to rehabilitate the differently abled persons and drug abusers.
- CO 5: Through conducting practical and preparing case study subjects will learn to assess the behaviour of clients.

### COURSE OUTCOMES

#### Name of Programme: जीवन में मानवीय मूल्यों की महत्ता (Value Added Course)

प्रस्तुत पाठ्यक्रम से छात्रों को -

- CO 1: जीवन में मानवीय मूल्यों की अवधारणा एवं महत्व को समझने का प्रयास करवाना।
- CO 2: व्यावहारिक जीवन में इन मूल्यों के अनुरूप आचरण करने का प्रयास करवाना।
- CO 3: जीवन की प्रतिकूल परिस्थितियों में सकारात्मक सोच को अपनाने की प्रवृत्ति को बढ़ाना।
- CO 4: इन मूल्यों के आधार पर अपने तार्किक सूझ-बूझ एवं भावनात्मक दृष्टिकोण को संतुलित करने का प्रयास करवाना।
- CO 5: एक मनुष्य का दूसरे मनुष्य के प्रति क्या कर्तव्य है? क्या महत्व है? इस प्रकार की समझ को बढ़ाने का प्रयास करवाना।
- CO 6: छात्रों के व्यक्तिगत जीवन में इन जीवन मूल्यों की झलक उनके व्यवहार में दृष्टिगत करवाना।

## COURSE OUTCOMES

### Name of Programme: Yoga (Value Added Course)

#### **Yoga course enables the students:**

- CO 1: To learn the essential elements of a yogic life style.
  - CO 2: To understand the importance of yoga in maintaining good health.
  - CO 3: To understand the concept of ill health and their remedies through yoga.
  - CO 4: To learn methods of performing asanas and pranayama
  - CO 5: To teach yoga modules specific to Physical Stamina, Voice Culture, Eye sight, Memory, Concentration, Creativity, IQ, Anger Management.
  - CO 6: To organize Yoga camps/ Workshops.
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## COURSE OUTCOMES

### Name of Programme: Yoga (Value Added Course)

- CO 1: This course will provide basic knowledge of the meaning of stress, stressors, diagnostic criteria of stress, causes and effects of stress and different coping styles of managing stress.
  - CO 2: It will help students to learn different techniques like – relaxation techniques, meditation, yoga, music and dance therapy, laughter therapy, cognitive therapy etc.
  - CO 3: It will help students to develop positive thinking in their behavior.
  - CO 4: The students will get information regarding healthy diet plan and healthy life styles.
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## COURSE OUTCOMES

### Name of Programme: Nutrition & Fitness (Value Added Course)

#### **Nutrition & Fitness course enables the students:**

- CO 1: To understand the component of Health and Fitness.
- CO 2: To know the role of Nutrition and Fitness in maintaining good health.
- CO 3: To be familiar with the concept of Nutritional Supplements.
- CO 4: To comprehend the concept of Physical Activity.
- CO 5: To get acquainted with Physical Activity Pyramid and plan their own activity pyramid.
- CO 6: To understand the concept of Weight Management.

CO 7: To understand the role of Diet and Exercise in Weight Management.

CO 8: To be familiar with the concept of Fad Diets.

CO 9: To learn the principles of Weight Reducing Diets.

CO 10: To prepare recipes related to Weight Management

DAYANAND MAHILA MAHA VIDYALAYA