



PROGRAM OUTCOMES AND COURSE OUTCOMES

BACHELORS OF ARTS

Program Outcomes

PO1: Employability and Higher education-The program empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice. On graduating, the students will be eligible for employment in various Public and/or Private organisations and industries.

PO2: Inculcating Human values and Ethics-It enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity. To make students aware about social, moral and ethical values through learning humanities and become responsible citizen.

PO3: Analyse and solve complex problems-To enhance and develop student's ability to grasp, understand and utilize the knowledge of arts and solve the complex practical problems.

PO4: Develops critical thinking- To expose students to diverse ideas from around the world, broadening their knowledge and developing their critical thinking abilities.

PO5: Develops better Communication Skills through languages-To improve their ability to communicate effectively using written, oral, and/or visual media and adapt to cultural diversity. Students will be able to appraise the contributions and relevance of literature. Students will be able to apply multiple perspectives and critical thinking methods to analyse and interpret literature.

PO6: Creativity-To encompass the full range of human thought and creativity, including languages, religion, philosophy, and the broad spectrum of the arts (including the performing arts

and the visual arts).

PO7: Cognitive Skills-To develop advanced reading, writing, speaking, interpretive and composition skills in languages as well as Empirical and Quantitative Reasoning.

PO8: Teamwork-To develop the ability to understand and accept the viewpoints of others and to work collaboratively with them to achieve common goals.

PO9: Personal Responsibility-To develop the ability to see the consequences for your actions and take responsibility for and justify the choices you make.

PO10: Social Responsibility-To develop the ability to see what's best for society and the world as a whole and to act accordingly.

Program Specific Outcomes:

PO1: Department of Economics has always been actively engaged in imparting quality and value-based education and makes an effort to impart analytical, managerial and administrative skills amongst its students. MA Economics opens a window of opportunity for in Indian Economic Services, Specialist Officers in Banks including RBI, NABARD, EXIM.

PO2: With the perplexing scope and interdisciplinary approach, its relevance and higher probability of employment opportunities in Civil Services, Corporate sector, Administrative Domain and Market Arena; the admission of students depict the upwards trend being favored by both genders.

PO3: The graduates of hindi program are eligible for pursuing post-graduation, Indian Administrative Services and Indian Foreign Services. The students can also opt for P.G Diploma in Translation and thereafter, pursue translation as a profession. Other career options including mass media , creative writing and teaching are also open to them .

PO4: For students pursuing career in English, The Masters in English and English Honours programs have been preferred platforms for a variety of career options, besides higher pursuits in the domain of English Literature.

PO5: The department of music plays an active role in preparing students for participation in various Cultural programs and Youth Festivals

PO6: Students pursuing graduation in sociology have careers in sociology, law, public health, criminal Justice, social work and other fields in which social and cultural expertise is essential.

SOCIOLOGY

Class/ Code/ Course Name	Course Outcomes
BA1 (I Sem) Fundamentals of Sociology	<p>CO1:The aim is to introduce the fundamental concepts of Sociology to the beginners of the subject.</p> <p>CO2:The students are familiarized with various terms, concepts, processes that help students to develop sociological imagination.</p> <p>CO3:Core knowledge about concept develop critical thinking and equip them to think imaginatively about society and social issues.</p> <p>CO4:Students learn the basic understanding about sociology as a discipline.</p> <p>CO5:It helps students in formulating a sociological viewpoint.</p>
BA1 (IISem) Social Stratification	<p>CO1:It prepares students to understand the hierarchical structure of groups in various societies as Caste, class and Race. In the Indian context students are apprised with the various dimensions of social stratification and social mobility as well.</p> <p>CO2:Understanding social stratification and its functions, basis and significance; gives comprehensive knowledge about various forms of stratification as well as ask them to think about social construction of gender.</p>
BA2 (III Sem) Social Structure and Social Change	<p>CO1:Introduces the students to conceptual and theoretical understanding of social structure and social change.</p> <p>CO2:The aim is to equip the students to understand the characteristics and elements of social structure. Norms and values, status and role, power and prestige as elements of social structure</p> <p>CO3:Factors and types of change apprise the various dimensions of social change and know it's social consequences.</p> <p>CO4:Sanskritisation,Westranization, modernization,secularisation,</p>

	<p>globalization as processes of social change help the students to understand society in an analytical manner.</p>
<p>BA2 (IVSem) Social Institutions</p>	<p>CO1:Study of various institutions which are the foundations of human society help the students to look at society in an objective and analytical way. knowledge about various institutions found in society;</p> <p>CO2:The course highlights the functions of social economic , political and religious institutions along with their significance for individuals and society</p>
<p>BA3 (VSem) Society in India</p>	<p>CO1:Understanding Indian society; introduction to tribal, rural & urban societies equip the students to understand the diversity and unity of Indian society.</p> <p>CO2:Students become aware of the problems of rural, urban and tribal society as well as study the changing nature of marriage, family and kinship in these societies.</p> <p>CO3:Students are familiarized with the various schemes initiated by the govt by gaining conceptual clarification of panchayat raj system., Voluntary associations</p> <p>CO4:The introduction to the problems of underprivileged sections of Indian society helps the students to comprehend social realities.</p> <p>CO5:students are sensitized towards the issues of marginalized, disabled and oppressed groups. CO6:Enhancing their understanding at both political and societal level they can apply their knowledge in theatrical and practical field.</p>
<p>BA3 (V I Sem) Social Disorganization and Emerging Problems</p>	<p>CO1:Social disorganization and current social problems; To understand the contemporary social problems in society the holistic course introduces the students to the reality of social conditions.</p> <p>CO2:Personal, familial and social disorganization apprise the students with socio structural underpinnings of gender oppression, adolescent issues, corruption, cybercrime, drug abuse, domestic violence, working women's problem and most importantly problems of the aged.</p> <p>CO3:The course enlightens the students about familial and personal issues and empower them to overcome these problems in a logical manner.</p>

COMPUTER SCIENCE

Class/ Code/ Course Name	Course Outcomes
BA(CS)-1st Semester Paper–CS01 Theory-A Computer Fundamentals	CO1: Understanding of basic Computer Terminology. CO2: Formulation of opinions about the impact of computers on society. CO3: Acquire a fundamental understanding of hardware peripherals. CO4: Develop interests in using computers for professional work.
BA(CS)-1st Semester Paper –CS02 Theory-B PC Software	CO1: Work effectively with a range of current, standard, Office Productivity software applications. CO2: Understanding of operating system – Interface and organizing files and folders. CO3: Operate a variety of advanced spreadsheet, operating system and word processing functions. CO4: Evaluate, select and use office productivity software appropriate to a given situation.
BA(CS)-1st Semester Paper – PCS01 Practical-C Practical Based on Paper – CS02	CO1: Implementation of commands in MS-DOS, CO2: Familiarizing with Office software (Word processing, Spreadsheets and Presentation). CO3: Solve a range of real world problems using office productivity applications, and adapt quickly to new software releases.
BA(CS)-2nd Semester Paper-CS03 Theory-A Operating System Concepts	CO1: Understanding the components, types and working of Operating System. CO2: Evaluate the effectiveness of various scheduling algorithms as well as the rules for concurrency and deadlock management. CO3: Understanding the concepts of file and process management.
	CO4: Understanding of various memory management algorithms and

	basic operations on files and directories
BA(CS)-2nd Semester Paper-CS04 Theory-B C Programming	<p>CO1: Knowledge of basic concepts of C Language like: Arrays, Pointers, File Handling.</p> <p>CO2: Skill to execute real world problems in C language.</p> <p>CO3: Skill to debug C programs.</p> <p>CO4: Ability to implement dynamic memory allocation techniques.</p> <p>CO5: Manage I/O operations in C program.</p> <p>CO6: Understanding of functional hierarchical code organization.</p>
BA(CS)-2nd Semester Paper-PCS02 Practical-C	<p>CO1: Read, understand and trace the execution of programs written in C language.</p> <p>CO2: Write the C code for a given algorithm.</p> <p>CO3: Implement Programs with arrays, pointers, functions, structure, union etc.</p> <p>CO4: Implementation of String and File Handling Functions.</p> <p>CO5: Implementation of C programs to make real applications.</p>
BA(CS)-3rd Semester Paper-CS06 Theory Paper-B Object Oriented Programming	<p>CO1: Describe the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.</p> <p>CO2: Understand dynamic memory management techniques using pointers, constructors, destructors, etc.</p> <p>CO3: Describe the concept of function overloading, operator overloading, virtual functions and polymorphism.</p> <p>CO4: Classify inheritance with the understanding of early and late binding.</p> <p>CO5: Demonstrate the use of various OOPs concepts with the help of programs</p>
Paper-CS05 Theory Paper-A Computer Organization	<p>CO1: Representation of information, conversion of number systems, and Boolean algebra.</p> <p>CO2: Explain the organization of basic computer and its design.</p>

	<p>CO3: Basic building blocks, Combinational Logic design, Microinstructions and Instruction Cycle.</p> <p>CO4: Understanding of Memory Organization.</p> <p>CO5: Basic understanding of Instruction set and addressing modes.</p> <p>CO6: Describe the architecture, bus structure and memory organization of 8085 Microprocessor.</p> <p>CO7: Design structured, well-commented, understandable assembly language programs.</p>
<p>BA(CS)-2nd Semester Paper-PSC03 Practical-C</p>	<p>CO1: Implementation of classes, objects, constructors, functions, inheritance in C++ Editor.</p> <p>CO2: Small projects based on the concepts of polymorphism, overloading etc.</p> <p>CO3: Implementation of real world problems in C++.</p>
<p>BA(CS) – 4th Semester Paper – CS07 Theory-Paper A Database Concepts</p>	<p>CO1: Understanding of the architecture and operations of databases, data principles and management systems.</p> <p>CO2: Designing with entity relationships and creating a strong database design using normalization techniques.</p> <p>CO3: Recognize the applications of structured query language, its syntax, transactions, database recovery, and query optimization methods.</p>
<p>BA(CS) – 4th Semester Paper –CS08 Theory-Paper B Data Structures</p>	<p>CO1: Understand the concept of Dynamic memory management, Data types, Algorithms, Big O notation.</p> <p>CO2: Understanding of basic data structures such as Arrays, Linked lists, Stacks, Queues, Trees and Graphs.</p> <p>CO3: Analysis of complexity of different Algorithms.</p> <p>CO4: Apply algorithms for solving problems like sorting, searching, insertion and deletion of data.</p> <p>CO5: Use of appropriate data structure to solve particular real world problems.</p>

<p>Paper – PCS04 Practical-Paper C Practical Based on Paper – CS08</p>	<p>CO1: Implementation of algorithms of different data structures using C language.</p> <p>CO2: Implementation of menu based small projects of Data structure.</p> <p>CO3: To develop students’ understanding through laboratory activities to solve problems related to data structures.</p>
<p>BA(CS) – 5th Semester Paper – CS09 Theory-Paper A Project Management</p>	<p>CO1: Understand the conventional and evolution of software.</p> <p>CO2: Straighten out the process of managing a software from conventional to modern.</p> <p>CO3: Assess the process flow and architecture of a model-based programme.</p> <p>CO4: Explain process management, automation, and its differentiators.</p> <p>CO5: Review the economics for the next generation software.</p>
<p>BA(CS) – 5th Semester Paper –CS10 Theory-Paper - B Relational Database Management System</p>	<p>CO1: Explain the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.</p> <p>CO2: Design ER-models to represent simple database application scenarios.</p> <p>CO3: Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.</p> <p>CO4: Improve the database design by normalization.</p>
<p>BA(CS) – 5th Semester Paper – PCS05 Practical-Paper C Practical Based on Paper – CS10</p>	<p>CO1: Implementation of SQL commands.</p> <p>CO2: Building SQL queries to create a database.</p> <p>CO3: Learning of Exception handling techniques.</p> <p>CO4: Classification of Views, Cursors, triggers and Procedures.</p> <p>CO5: Creation of real time applications using SQL commands.</p>
<p>BA(CS) – 6th Semester Paper – CS11 Theory-Paper A E-Commerce</p>	<p>CO1: Be able to learn the basic concepts of e-business and e-commerce.</p> <p>CO2: Understanding of the basic concepts of website creation, registration of domain name and website hosting.</p>

BA(CS) – 6th Semester Paper –CS12 Theory-Paper B Web Programming	<p>CO1: Describe the concepts of World Wide Web and the requirements of effective web design.</p> <p>CO2: Develop web pages using the HTML and CSS features with different layouts as per need of applications.</p> <p>CO3: Use of JavaScript to develop the dynamic web pages</p>
BA(CS) – 6th Semester Paper – PCS06 Practical-Paper C BA(CS) – 6th Semester Practical Based on Paper – CS12	<p>CO1: Support the development of web pages.</p> <p>CO2: Write scripts and effectively incorporate JavaScript in a web page.</p> <p>CO3: Create forms and check for data accuracy.</p> <p>CO4: Use of JavaScript system objects.</p> <p>CO5: Embed objects in a web page.</p> <p>CO6: Effectively use decision and looping statements in JavaScript programs.</p> <p>CO7: Effectively manipulate strings and use of array processing.</p>

PUBLIC ADMINISTRATION

CLASS	Course outcome
<u>BA Semester 1</u> Theory and Principles of Public Administration	<p>CO1:Meaning and significance of public Administration</p> <p>CO2:Difference between public and private administration</p> <p>CO3:Relationship of public Administration with other social sciences</p> <p>CO4:Study of Organisations, formal and informal</p> <p>CO5:Principles of organisations, hierarchy, centralisation and decentralisation, leadership etc.</p>
<u>BA Semester 2</u> Indian Administration	<p>CO1:Elections of Prime Minister, Chief minister, President</p>

	<p>of India</p> <p>CO2:Three branches of Indian Government, The legislative, the executive, the judiciary.</p> <p>CO3:Administrative tribunal and delegated legislation</p>
<p><u>BA Semester 3</u></p> <p>Personnel Administration</p>	<p>CO1:Salary Administration, job analysis, job enrichment, job enhancement</p> <p>CO2:Employees grievance redressal</p> <p>CO3:Promotion principles</p> <p>CO4:Training schedules and Training in India.</p>
<p><u>BA Semester 4</u></p> <p><u>Financial Administration</u></p>	<p>CO1:Budget preparation, enactment and execution</p> <p>CO2:Legislative control over government in India</p> <p>CO3:Financial Committees</p> <p>CO4:Audit and Accounts</p>
<p><u>BA Semester 5</u></p> <p>Local Government</p>	<p>CO1:Gram sabha and elections of panchayat, panchayat samiti and ZilaParishad</p> <p>CO2:Development activities, schemes in Rural areas and personnel incharge.</p> <p>CO3:Schemes for development at Urban Areas and personnel incharge</p> <p>CO4:State control over local Government</p>
<p><u>BA Semester 6</u></p> <p>Development Administration</p>	<p>CO1:Official machinery available for implementation of all the welfare and development schemes being generated by Government of India</p> <p>CO2:Planning Commission of India and five-year plan</p>

PUNJABI (COMPULSORY)

Class and Semester	Course Outcomes
B.A Sem – I PBC	CO 1: Introduced to the modern poetry and related concepts. CO 2: Students were introduced to the renowned poets and their historical backgrounds. CO 3: Brief description of the poems and associated learnings. CO 4: Students were introduced to the Phonetics and Punjabi phonemes.
B.A Sem- II PBC	CO 1: Students were familiarized with various aspects of short story writing of the prescribed period. CO 2: Students learnt lessons of life from the diverse texts concerned about values of life ,struggles and hardships of common man CO3: Students learnt lessons of life from the diverse texts concerned about values of life, struggles and hardships of common man. CO 4: Prescribed grammar section will help understand idioms and phonetics. It improvises the writing skills of the students.
B.A Sem- III PBC	CO 1: Students were introduced about the various problems related to the Punjabi culture and society, young generation are facing the unemployment problems. CO 2: The course enables them to learn about social, economical and cultural issues and problems. CO 3: To motivate students to develop basic tools of analyzing a variety of literary texts. CO 4: To enable them to have a comprehensive knowledge of Punjabi literature.

<p>B.A Sem- IV PBC</p>	<p>CO 1: To enhance students' ability to use grammatical conventions appropriately.</p> <p>CO 2: Students were introduced about the different aspects of culture and value system of Punjabi society, festivals, sports, and many more about good things.</p> <p>CO 3: In grammar the concept of <i>ageterpishater</i>, word formation and translation from Punjabi to English enables the students to understand the language.</p> <p>CO 4: To sharpen the writing skills of students.</p>
<p>B.A Sem- V PBC</p>	<p>CO 1: To empower the students to read, analyze and write about texts and Punjabi literature.</p> <p>CO 2: Students were introduced to Medieval Poetry. They came to know past history of old Panjab, ethics and human behaviour of that period.</p> <p>CO 3: The Medieval Poetry equips students with knowledge of humanity, secularism and spirituality.</p> <p>CO 4: Grammar allows students to learn new sentences, use of words and pronunciation.</p>
<p>B.A Sem VI PBC</p>	<p>CO 1: The historical novel written by Harnam Dass Sahrayi enables the students to learn Sikh history and Mughal history.</p> <p>CO2: Students were motivated by character and related themes of the novel.</p> <p>CO 3: The students were introduced to the script, origin and development of Punjabi language.</p> <p>CO 4: To enable them to have an in-depth knowledge of Punjabi literature and language.</p>

Class/ Code/ Course Name	Course Outcomes
BA I Sem I Elective Punjabi	<p>CO 1: Students were introduced about traditions, culture, and condition of the women. One act plays introduce the students about society, issues and related concerns.</p> <p>CO 2: The prescribed text and poetry enables the Students to learn about man's tragedy, feelings and associated troubles and struggles of the society.</p>
B.A Sem II Elective Punjabi	<p>CO 1: The students understand how the literature of this particular period is different from the previous one. Students learnt about the history, life and politics of this time through wars.</p> <p>CO 2: The poetry enables them to develop some emotions and sentiments like true love, spiritual love, honesty and bravery especially in them. They also came to have a detailed knowledge about America by reading the travelogue.</p>
B.A Sem III Elective Punjabi	<p>CO 1: The prescribed poetry enables the students to understand the ideology of these poets, besides they learnt about the behaviour of different social categories of this time.</p> <p>CO 2: Students learnt about the history of our literature till 20th century which enables them to understand the literature in a better way.</p>
BA III Sem IV Elective Punjabi	<p>CO 1: The students are made aware of the basic ethics, spirituality, emotions of true love, social and cultural values and political diplomatic behaviour.</p> <p>CO 2: The short stories enabled students to understand the different human behaviours, sentiments, feelings, various social, economic, political, religious aspects of the society</p> <p>CO 3: It enables the students to understand the dialects of Punjabi language.</p>

<p>BA III Sem V Elective Punjabi</p>	<p>CO 1: The course introduces the students with Poets of Medieval period. The poems enable them to understand History, Culture, Human relationship and Ethics of that period.</p> <p>CO 2: Medieval Poetry intends to teach them moral and life lessons thus enables them to understand man kindness, empathy and secularism.</p> <p>CO 3: Based on preaching of Guru Nanak Dev Ji students come to know the evils of that period which were spread in the society and how it can be overcome.</p>
<p>B.A.III Sem VI Elective Punjabi</p>	<p>CO 1: Students were introduced to prose and modern prose writers. The entire essay was based on human struggle and small achievements. Students learnt from this book how we can make our life worth living.</p> <p>CO 2: The students also came to know about the Different forms of language through linguistics</p>

PSYCHOLOGY

<p>B.A Semester 1 General Psychology</p>	<p>CO 1.The Course introduces to the students the general concepts and historical viewpoints in general psychology.</p> <p>CO 2.The students would also get an understanding of the principles and theories in different areas like motivation and emotions.</p> <p>CO 3. The course deals with psychological knowledge and practices which are contextually rooted and understand the complexity of human behavior.</p> <p>Semester 2</p> <p>CO 1. Students would know about individual differences in understanding the behavior patterns.</p> <p>CO 2 The course apprises them of the concept of growth and development. It also makes the students aware of the role of heredity and environment in the personality makeup of the individual.</p>
--	---

	<p>CO 3. The students are introduced to the elementary statistics and data collection, graphical representation of data and measures of central tendency and variability</p>
<p>B.A Semester 3 Experimental Psychology</p>	<p>CO 1. The course introduces to the students the general concepts and historical viewpoints in experimental psychology.</p> <p>CO 2. The students would also get an understanding of the biological basis of human behavior, nervous system and also an insight into how this command center works.</p> <p>CO 3 The course will also give students an understanding of psychophysics, learning and the senses of vision and hearing.</p> <p>Semester 4</p> <p>CO 1. This course introduces the learners to the basic ideas and principles of cause-effect thinking, reasoning and problem-solving and cognitive aspects of Psychology.</p> <p>CO2. There is also an effort to understand the why, where and what of Perceptive behavior.</p> <p>CO 3. The process of remembering and forgetting with special reference to transfer of training to understand why we forget.</p> <p>CO 4. The concepts application and uses of of normal probability in statistics.</p>
<p>B.A Semester 5 Clinical Psychology</p>	<p>CO1. The course will enable the students to get an introductory knowledge about clinical psychology with emphasis on understanding the history and causes of abnormality</p> <p>CO 2. Students will also have knowledge about the stressors and coping strategies to handle stress.</p> <p>CO 3. Statistics for understanding the errors in the clinical trials i.e the standard error- to estimate the accuracy of the sample selected.</p>
<p>BA Semester 6</p>	<p>CO1. The course will acquaint the students with the etiology of psychological disorders, their classification and factors underlying major psychological disorders.</p> <p>CO 2 . Types of therapies to treat major psychological disorders and rehabilitation of mentally ill be studied.</p> <p>CO 3. To facilitate students' quest for personal growth and effectiveness is the main course outcome for studying psychology at undergraduate level.</p>

POLITICAL SCIENCE (ELECTIV)

<u>B.A</u>	<u>Course Outcomes</u>
BA I Political Science I Political Theory I	CO:Students were made to understand the concepts of Political Theory such as the origin of the state, Liberalism, Maxim and Gandhism, including Meaning of the state and its essential elements
BA I Political Science II Political Theory II	CO: In this paper students learnt about the concepts of Power, Authority, Legitimacy, Political Culture and Socialization. • Further they were made familiarized with the concept of Democracy and its various Theories. Students were also understood the concepts of Rights, Liberty, Equality and Justice.
BA II Political Science III Indian Politics	. CO: In this paper students were taught about various Political Institutions and fundamental elements of the Indian Government
BA II Political Science IV Indian Politics	CO: This paper enriched the students with the working of the political parties, pressure groups in India. • Moreover, this also made the students familiar with the foreign policy of India and various other political processes such as caste, religion and region
BA III Political Science V International Relations	CO: Students were made to understand and analyse the working of the two political systems, the UK and USA.
BA III Political Science VI International Relation	CO:This paper provided the students with an overview of the broad theories and concepts used to understand international politics. It also examined the key issues in contemporary global 97 history from an International politics perspective

MUSIC INSTRUMENTAL (ELECTIVE)

Class	Course Outcomes
BA1 (Sem I)	Theory:

	<p>CO1:The students gain knowledge about the origin of Indian music.</p> <p>CO2:Knowledge of Raga, Sangeet, Different Jaties of Ragas of North Indian Music, Notation system, Gat.</p> <p>CO3:Definitions of Aroh, Avroh, Pakad, Thaata, Alankar.</p> <p>CO4:The students become aware about the scope and career fields in music.</p> <p>Practical:</p> <p>CO6:The students gain knowledge about basic concepts of Musical Instruments.</p> <p>CO7:They learn various Alankars on the instrument.</p> <p>CO8:Understand and learn Raga and Talas: Rag Bhopali, Dadra Tal and Teental with dugunlayakaries.</p>
<p>BA1 (Sem II)</p>	<p>Theory:</p> <p>CO1:The students are familiarized with historical development of Indian Music of Modern Period.</p> <p>CO2:The students gain theoretical understanding of the various topics like BhatkhandeThaataPaddhati, Nada, Laya and Tal in Music.</p> <p>CO3:Life sketches of renowned musicians: Pt. Ravi Shankar, Pt. V.N.Bhatkhande.</p> <p>CO4:Definitions of Sam, Tali, Khali, Matra, Avartan, Various Bols of Mizrab, Toda, Jhala.</p> <p>Practical:</p> <p>CO5:The students gain knowledge of their musical instrument and play Razakhani Gats and Maseetkhani Gat with todas in Raga Yaman and Raga Kafi.</p> <p>CO6:The students learn Jhaptal and KehravaTala with Dugunlayakaries.</p>
<p>BA2 (Sem III)</p>	<p>Theory:</p> <p>CO1:The students gain knowledge about Vadakke Gundosh, Gram, Alaap, Gharanas, Avirbhav-Tirobhav,</p>

	<p>Alpatva-Bahutva.</p> <p>CO2:Historical development of North Indian Music from 13th to 15th Century</p> <p>CO3:The students are familiarized with contribution of Musicians- UstadInayat Khan, UstadAllaudin Khan, Pt.VishnuDigambarPaluskar .</p> <p>Practical:</p> <p>CO4:The students gain knowledge about detailed and non detailed Ragas – Rag Bhimplasi, Raga Bihag, Raga MaruBihag, Raga Patdeep.</p> <p>CO5:They learn to play Razakhani Gats with todas.</p> <p>CO6:Talas- Rupak Tal, Tivra Tal, Ektal.</p> <p>CO7:The students learn to play Teevratal on Tabla.</p>
BA2 (Sem IV)	<p>Theory:</p> <p>CO1:The students gain knowledge about Murchhana system, ShudhChhayalagSankiran Ragas, Classification of Indian Musical Instruments, Time theory.</p> <p>CO2:Historical Development of Indian Music from 15th to 17th century.</p> <p>CO3:They learn various techniques of Sitar.</p> <p>CO4:Life sketches of UstadVilayat Khan, Smt Annapurna Devi, Ustad Abdul Halim Zafar Khan.</p> <p>Practical:</p> <p>CO5:The students are familiarized with the description of Detailed and Non detailed Ragas.</p> <p>CO6:Maseetkhani and Razakhani Gats withTodas and Jhala in Raga Madhuwanti, Raga Hamir.</p> <p>CO7:Non detailed Ragas- Multani, Chhayanat.</p> <p>CO8:Talas- Sultal, DhamarTala.</p>
BA3 (Sem V)	<p>Theory:</p> <p>CO1:The students are familiarized with Historical development of Indian Music from Pre Historic to 4th Century.</p>

	<p>CO2:The students gain knowledge about different VaadanShailies (Style of playing instrument), Indian Musical Scale, Varieties of Taan/Todas.</p> <p>CO3:Essays: Folk Instruments of Punjab, Importance of Laya and Tala in Music, Scope of Instrumental Music.</p> <p>CO4:Life history and contributions- UstadBismillah Khan, Pt Nikhil Bannerjee, Ustad Hafiz Ali Khan.</p> <p>Practical:</p> <p>CO5:The students get knowledge about advanced techniques of sitar playing.</p> <p>CO6:Detailed Ragas- Raga Malkauns, Raga Jaijaiwanti (Maseetkhani and Razakhani Gats with Todas and Jhala)</p> <p>CO7:Non detailed Ragas- Chandakauns, Des</p> <p>CO8:Talas- Tilwara Tal, Deepchandi, Chartal with Dugunlayakaries.</p>
<p>BA3 (Sem VI)</p>	<p>Theory:</p> <p>CO1:The students are familiarized with history of Indian music 4th to 13th century.</p> <p>CO2:Origin and development of Notation system, Uttari and DakshiniSangeetPaddhaties. (By this they can learn the similarities and dissimilarities between North and South Indian Music.)</p> <p>CO3:Essays- ChitratSangeet Mein Vadyon Ki Bhoomika (Knowledge about Film Music), Role of the Akashvani and Doordarshan in popularizing Instrumental Music, ManchPradarshan (Stage Performance).</p> <p>CO4:Life sketches- Dr. Lal Mani Mishra, Dr. Panna Lal Ghosh, Smt. Sharan Rani</p> <p>Practical:</p> <p>CO5:The students are taught about tuning of their instrument.</p> <p>CO6:Masetkhani and Razakhani Gats in Raga MiankiTodi, Raga MianMalhar.</p> <p>CO6:Non detailed Ragas- GurjariTodi, Bahar.</p> <p>CO7:Talas- Panjabi Theka/ Addha Tal, Jatt Tal with</p>

HOME SCIENCE (ELECTIVE)

Class	Course Outcomes
1st Semester: Name Of Paper: Family Resource Management, Hygiene And Health (Theory & Practical) Course Outcomes	<p>CO1:Understand the importance of home and subject of Home Science in today's world.</p> <p>CO2:Recognize entrepreneurship opportunities in various fields of Home Science.</p> <p>CO3:Analyze and design interiors by applying elements and principles of Art.</p> <p>CO4:Understand the concept of health education, immunity, disease and public health.</p> <p>CO5:Evaluate food safety and hygiene in terms of adulteration, including water purification.</p> <p>CO6:Learn basic table etiquettes and lay the table for various settings, including fancy napkin foldings.</p> <p>CO7:Develop competence in creating patterns of and making rangoli and alpana.</p>
2nd Semester: Name Of Paper: Family Resource Management, Hygiene And Health (Theory & Practical) Course Outcomes	<p>CO1:Acquire knowledge of various concepts and principles of Family Resource Management for resources such as time, money and energy to achieve family goals.</p> <p>CO2:Understand factors involved in choice and arrangement of furniture.</p> <p>CO3:Able to differentiate between different kinds of flower arrangements and create suitable arrangements.</p> <p>CO4:Realise the rights and responsibilities of a consumer and understand malpractices and consumer redressal forum.</p> <p>CO5:Basic knowledge of human digestive system and absorption of nutrients.</p> <p>CO6:Awareness and practice of first aid to be given for common accidents and incidents.</p> <p>CO7:Cleaning and polishing of various household metals, materials and equipment.</p> <p>CO8:Develop skill in creating flower arrangements for various</p>

	rooms
3rd Semester: Name Of Paper: Clothing And Textile (Theory & Practical)	<p>CO1:Develop an understanding of fibers, yarns and the use of common textile fibres.</p> <p>CO2:Gain knowledge about characteristics of fabric to ensure their proper selection, care and storage, according to use.</p> <p>CO4:Be able to use tools and equipment in clothing construction.</p> <p>CO5:Attain proficiency in anthropometry, drafting and basic steps in clothing construction.</p> <p>CO6:Understand basic fabric formation methods for fabrics such as weaving, knitting and bonding.</p> <p>CO7:Learn various basic stitching and embroidery stitches.</p> <p>CO8:Acquire skill for basic garment drafting and construction</p> <p>CO9:Gain knowledge and skill about dyes, fabric dyeing and block printing techniques to prepare samples.</p>
4th Semester: Name Of Paper: Clothing And Textile (Theory & Practical)	<p>CO1:Apply elements of art and principles of design in fashion/ dress designing.</p> <p>CO2:Develop consciousness for clothing aesthetics, safety, care and comfort.</p> <p>CO3:Acquire the ability to identify different fibers and understand general rules of laundering and laundering agents.</p> <p>CO4:Differentiate between different fabric finishes and their suitability for different purposes.</p> <p>CO5:Learn basic laundry methods and stain removal, along with ironing and finishing of basic garments.</p> <p>CO6:Acquire competency to create samples of tie & dye and block printing by using different techniques.</p>
5th Semester: Name Of Paper: Food, Nutrition & Child Development (Theory & Practical)	<p>CO1:Understand food, food groups, nutrients, their sources and functions.</p> <p>CO2:Understand functions, sources and requirements of different nutrients and associated deficiency diseases.</p> <p>CO3:Gain knowledge about the physiology of digestion, and understand objectives and methods of cooking.</p>

	<p>CO4:Develop understanding of child development, it's principles and related developmental tasks.</p> <p>CO5:Understanding of the process of reproduction & pregnancy, including prenatal care & development.</p> <p>CO6:Gain proficiency in cooking dishes such as sweet, savoury and beverages, by using different methods of cooking.</p> <p>CO7:Preparation of low cost nutritive recipes and food preservation dishes.</p>
<p>6th Semester: Name Of Paper: Food, Nutrition & Child Development (Theory & Practical) Course Outcomes</p>	<p>CO1:To develop knowledge about principles and methods of food preservation and role of different factors in food spoilage.</p> <p>CO2;Introduce basic concept of diet therapy and meal planning, and to plan diets for various age groups and metabolic conditions.</p> <p>CO3:Learn the basic principles of mother craft & child care and the importance of play.</p> <p>CO4:Comprehend emotional and language development in children, while analysing behavioural problems.</p> <p>CO5:Planning and cooking meals for various age groups, including therapeutic diets in metabolic diseases.</p> <p>CO6:Developing skill in food preservation for seasonal produce.</p>

FINE ARTS (ELECTIVE)

Class/ Code/ Course Name	Course Outcomes
<p>BA FIRST SEMESTER (FIRST YEAR)</p>	<p>CO1 Understanding of History of Indian Painting from Prehistoric Art to 7th Century AD.</p> <p>CO2 Analysis of the History of Indian Sculpture of Indus Valley Civilization and Mauryan Art</p> <p>CO3 Familiarization with the history of Western Art Pre-historic Art, Egyptian Art & Greek Art</p> <p>CO4 The course equips the students with fundamentals of Definition of Key Terms and General Concepts including</p>

Colour: Colour Theory, Colour wheel, Colour terminology and meaning of colour, Line - different types of lines and its meaning, Perspective: Linear and Aerial, Foreshortening

CO5 The students get familiarize themselves with the art forms as seen from the books, slides and related films. Visits to Museums, exhibitions and art galleries also enlarge their vision about Visual Art and Art History.

CO6 In Still life learner learns the techniques of drawing and painting of a number of objects and to study the proportion, volume and rhythmic relationship of masses, study and rendering of texture of different objects in monochromatic colour scheme.

CO7 In Portrait Study emphasis is on structure, proportion, foreshortening, Textural Values, Posture & Individuality of the model in pencil shading or monochromatic colour scheme

**BA THIRD
SEMESTER
(SECOND YEAR)
Course Code 0220**

CO1 Understanding of History of Indian Painting of Western Indian Miniature Painting and Pre Mughal Painting including topics Chaurapanchashika and Nimat Nama Manuscript Paintings

CO2 Understanding of History of Indian Sculpture of Gandhara, Mathura, Sarnath and Sultanganj

CO3 Develops critical thinking and artistic approach to understand Early Renaissance, High Renaissance and Northern Renaissance

CO4 Familiarization with the definition of Key Terms and General Concepts mainly Composition including the topics Volume, Texture, Space, Unity, Harmony, Rhythm, Proportion and Six Limbs of Indian Painting.

CO5 The students get familiarize themselves with the art forms of slides and related films. Visits to Museums, exhibitions and art galleries also enlarge their vision about Visual Art and Art History.

CO6 Study about the relationships of objects, their arrangements in the foreground, middle distance and distance, texture, relative size of masses, tones and colours, use of linear and aerial

	<p>perspective with different mediums of colour.</p> <p>CO7 Understanding of putting emphasis on structure, proportion, foreshortening, textural values, posture and individuality of the model in monochromatic colour scheme.</p> <p>CO8 Understanding of Colour harmony and contrast. Imparting understanding of Printing purposes, Commercial and advertising designing.</p>
<p>BA Fifth Semester (Third Year) Course Code 0421</p>	<p>CO1 Study of different centres of Rajasthani Painting and Pahari Painting</p> <p>CO2: Analytical study of History of Indian Sculpture of Mahabalipuram, Elephanta and Chola Bronzes.</p> <p>CO3 Offers a better understanding of History of Western Art of Beginning of Modern Painting, Impressionism, Neo Impressionism and Post Impressionism.</p> <p>CO4 Provides in-depth study of the definition of Key terms, General Concepts and Techniques of Form and Content, Art and Religion, Art and Society, Tradition, Modernity.</p> <p>CO5 The students get familiarize themselves with the art forms of slides and related films. Visits to Museums, exhibitions and art galleries also enlarge their vision about Visual Art and Art History.</p> <p>CO6 Understanding of Colour harmony and contrast, logo designing and Imparting understanding of Printing purposes, Commercial and advertising designing.</p> <p>CO7 Study about the relationships of objects, their arrangements in the foreground, middle distance and distance, texture, relative size of masses, tones and colours, use of linear and aerial perspective with different mediums of colour in composing a composition.</p>
<p>BA Second Semester (First Year) Course Code 0121</p>	<p>CO1 Analytical study of the history of Indian Painting of Sittanavasal, Eastern Indian Miniature Painting and Western Indian Miniature Painting.</p>

CO2 Understanding of the history of Indian Sculpture of Bharhut and Amravati.

CO3 The course enables learners to analyse the history of Western Art of Roman Art, Byzantine Art and Gothic Art.

CO4 Learners are also made to understand core concepts like Definition of Key Terms and General Concepts Mural - Fresco and Tempera techniques, Miniature, Chiaroscuro (light-shade), Sculpture in round and in relief

CO5 The students get familiarize themselves with the art forms of slides and related films. Visits to Museums, exhibitions and art galleries also enlarge their vision about Visual Art and Art History.

CO6 Understanding about the techniques of putting emphasis on structure, proportion, foreshortening, Textural Values, Posture & Individuality of the model in Portrait making in colour medium.

CO7 Study of the relationship of objects, their arrangements in the foreground, middle and distance, texture, relative size of masses, tones and colours, use of linear and aerial perspective.

**BA Fourth Semester
(Second Year)
Course Code 0317**

CO1 The aim of the paper is to introduce to the students various schools, styles and phases of the developments in painting and sculpture in India and the West.

CO2 Learners are made to understand core concepts of the history of Indian Painting Mughal Paintings of Hamza-Nama ; South Kensington Akbar Nama ; Jahangiri Portraits and illustrations of birds and animal and Deccani Paintings

CO3 The course aims to develop aesthetical thinking among learners by understanding the History of Indian Sculpture of Deogarh, Ellora and Mahabalipuram.

CO4 The course aims to impart knowledge about the history of Western Art of Baroque, Neo-Classicism, Romanticism and Realism period.

CO5 Prepares learners to explore developments of the definition of Key Terms and General Concepts of Art and Craft, Design, Mosaic, Tribal Art, Folk Art, Piece-mould and Waste-mould.

CO6 The students get familiarize themselves with the art forms of slides and related films. Visits to Museums, exhibitions and art galleries also enlarge their vision about Visual Art and Art History.

CO7 Understanding of relationships of objects, their arrangements in the foreground, middle distance and distance, texture, relative size of masses, tones and colours, use of linear and aerial perspective in Landscape painting (On the spot).

CO8 Study of putting emphasis on structure, proportion, foreshortening, textural values, posture and individuality of the model live Model or Cast-Monochrome in any medium.

**BA Sixth Semester
(Third Year)
Course Code 0519**

CO1 Learners are familiarized with different aspects of the history of Indian Painting of Company Painting and Folk Style of Kalighat and Maithili.

CO2 Understanding of the stylistic analysis of the Indian Sculptures of Khajuraho, Konark and Sravanbelgola.

CO3 Offers theoretical as well as practical knowledge about the History of Western Art of Expressionism, Fauvism and Cubism with examples of the major art works of that period.

CO4 Provides specialized understanding of concepts of definition of Key terms, General Concepts and Techniques including Beauty, Rasa and Bhava, Gestures, Postures and Movements, Stained Glass, Cire-perdue (lost-wax casting)

CO5 The students get familiarize themselves with the art forms of slides and related films. Visits to Museums, exhibitions and art galleries also enlarge their vision about Visual Art and Art History.

CO6 Understanding of Colour harmony and contrast, logo designing and Imparting understanding of Printing purposes, Commercial and advertising designing.

CO7 Study about the relationships of objects, their arrangements in the foreground, middle distance and distance, texture, relative size of masses, tones and colours, use of linear and aerial perspective with different mediums of colour in composing a

composition.

ECONOMICS

Class/ Code/ Course Name	Course Outcomes
Sem-I - Micro-Economics	<p>CO1: Understand the principles of Microeconomics, decision making of firms and the functioning of the market.</p> <p>CO2: Gain basic understanding of individual consumer agents and their decision making behavior.</p> <p>CO3: Apply demand and supply analysis to examine the impact of government regulation.</p> <p>CO4: Explain determinants of demand, responses of market and the benefits of exchange.</p> <p>CO5: Understand the fundamentals of microeconomic theory and get basic idea about the utilitarian approach from Cardinal to Ordinal Approach. Utility Theory of Demand, IC Analysis and all the relevant applications</p>
Sem-II – Macro-Economics	<p>CO1: Understand and describe major concepts in Macro Economics.</p> <p>CO2: Develop an economic reasoning which help learners understand and solve economic problems in aggregate.</p> <p>CO3: Understand the concepts and theories related to inflation and business cycles.</p> <p>CO4: Understand the relationship between investment and savings, demonstrate investment multiplier and understand the meaning of MEC and MEI.</p> <p>CO5: Understand Say's Law of Market, Classical Theory of Employment and Keynes objection to the Classical Theory, demonstrate the Principle of Effective Demand and Income Determination</p>
Sem-III– Public Finance And International Economics	<p>CO1: Gain an understanding of International Trade and Financial Relations.</p> <p>CO2: Learn the pattern and nature of international trade and their contribution to economic development.</p>

	<p>CO3: Understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.</p> <p>CO4: Understand the need of Public borrowing from all possible sources to meet necessary public investment/ expenditures.</p> <p>CO5: Understand the importance of maintaining Equilibrium in the BOP and suggest suitable measures to correct disequilibrium as well.</p>
<p>Sem-IV Quantitative Economics</p>	<p>– CO1: Demonstrate the role of quantitative techniques in the field of business/industry, illustrate different types of equation, solve equations and understand the concepts of sets, illustrate and apply basic set operations.</p> <p>CO2: Explain the rules for calculating derivatives, uses and applications in calculating inter-relationship among Total, Marginal and Average Cost and Revenue, calculate Maxima, Minima, Elasticity and decide the optimal level of production for a firm.</p> <p>CO3: Demonstrate the rules for calculating Integration, describe the importance and application of Integration in Consumers’ and Producers’ Surpluses, Total Revenue and Cost.</p> <p>CO4: Illustrate Matrix operations, Minors, Co-Factors, Use co-factor method to find Inverse of a Matrix, Use Crammer’s rule to solve systems of equations.</p> <p>CO5: Demonstrate knowledge of basic concepts of linear Program, Duality, Capacity to solve LP Problems familiar with the basic techniques most commonly used in economic problems.</p>
<p>Sem-V – Development Economics</p>	<p>CO1: Understand the theories of growth and development and the problems and challenges of developing world.</p> <p>CO2: Understand the factors affecting the long run economic growth, both from a positive and negative sense.</p> <p>CO3: Develop an understanding of the inter-relations between man and nature, economic activities and limited resources, economic growth and development.</p> <p>CO4: Understand the aspect of development process in low-income</p>

	countries
Sem-VI – Indian-Economy	<p>CO1: Understand the economic functioning and conditions of the country in the context of past, present and future.</p> <p>CO2: Develop ideas of the basic characteristics of the Indian Economy and its potential on Natural resources.</p> <p>CO3: Grasp the importance of planning undertaken by the Government of India and have knowledge on various objectives, failures and achievements as the foundation of the ongoing planning and economic reforms taken by the government.</p> <p>CO4: Understand agriculture as the foundation of economic growth and development, analyze the progress and changing nature of agricultural sector and its contribution to the economy as a whole.</p> <p>CO5: Understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.</p>

BA General English (Compulsory)

Class	Course Outcomes
BA I (Sem I)	<p>CO 1 Acquire knowledge of poetry written by renowned poets from around the world</p> <p>CO 2 Acquire an extensive knowledge of English as a language in its various textual forms with the assistance of prose works written by writers from around the globe.</p> <p>CO3 Acquire knowledge and awareness of various issues discussed by different writers with local and global social conditions pertaining to Modern world history</p>
BA I (Sem II)	<p>CO1: To become effective communicators, with enhanced grammar and translations skills</p> <p>CO 2 To develop human concern and values</p> <p>CO 3 To write an effective business document and think analytically</p>

BA II (Sem III)	CO 1 Acquire knowledge of various literary aspects through poetry and prose and enrich their literary and cultural values CO 2 Develop and improve reading and writing skills CO 3 Acquire detailed knowledge about grammar and correct usage of Punctuation
BA II (Sem IV)	CO 1 Develop creative thinking, soft skills and social competence CO 2 Acquire knowledge about practical use and nature of Language CO 3 Learn finer nuances of language through an integrated coursework
BA II (Sem V)	CO 1 To critically analyze poetry, prose, fiction, media, and scientific and technological writings CO 2 To understand the texts from political, historical and sociological Perspectives CO 3 Learn and apply fundamentals of grammar and structure to form correct sentences
BA II (Sem VI)	CO 1 To critically analyze poetry, prose, fiction, media, and scientific and technological writings CO 2 Learn the art of précis writing CO 3 Enhance vocabulary via idioms and phrases CO 4 Learn the basics of essay writing and enhance creativity

BA Functional English (Elective)

BA Functional English	Course Outcomes
BA I (Sem I): Speech Skills	CO 1 Learning speech skills will familiarize learners with the functioning of English - English sounds through listening in the Language Lab CO 2 It enables the learners to achieve accuracy in oral production by encouraging the use of the pronouncing dictionary CO 3 It encourages the learners to achieve an optimum level of intelligibility and fluency in speech CO 4 It enhances the learners' ability to communicate in the spoken mode with accuracy and fluency for various functions

BA I (Sem II): Writing: Communication Skills and Study Skills	<p>CO 1 It enhances learners' ability to communicate in the written mode with accuracy and fluency</p> <p>CO 2 It trains learners in the use of specific formats of written discourse</p> <p>CO 3 The learners will be familiarized with the fundamentals of study skills</p> <p>CO 4 The learners are encouraged with the study skills to collect, classify and retrieve information from different sources and to record and store it</p>
BA II (Sem III): Radio Journalism + Broadcast Presentation	<p>CO 1 This acquaints the learners with the different mechanisms of radio broadcast</p> <p>CO 2 The learners are trained in Script writing for different genres of Radiobroadcasts.</p> <p>CO 3 It helps learners to identify their speech problems and overcome them.</p> <p>CO 4 It sensitizes learners to body movements, demeanor and gestures involved in TV presentations.</p> <p>CO 5 It enables learners build their best voice by acquainting them with the elements of voice and providing training in it.</p>
BA II (Sem IV): T.V. Journalism	<p>CO 1 To acquaint learners with the lay-out, equipment and functioning of a T.V. station</p> <p>CO 2 To train learners in scriptwriting for different genres of T.V. Broadcast.</p> <p>CO 3 To sensitize learners to body movements, demeanor and gestures involved in T.V. presentation</p> <p>CO 4 To provide further practice in previously covered features of broadcast presentation.</p> <p>CO 5 To familiarize learners with different genres of T.V. production with specific training imparted in script writing.</p> <p>CO 6 To continue with all other features of Broadcast presentation.</p>
BA III (Sem V): Print Journalism	<p>CO 1 It will generate awareness among learners of issues deserving reporting in print and to stimulate them to re-bond environment in print.</p> <p>CO 2 It familiarizes learners with different aspects of print journalism,</p>

	<p>itsformats, its avenues</p> <p>CO3The learners will be to write news stories from the stage of news gathering to editing to their final presentation.</p> <p>CO4To familiarize learners with the lay-out, equipment and functioning of anewspaper/magazine production centre</p> <p>CO5To enable learners to acquire the art and skills of feature writing to encourage freelancing among them.</p> <p>CO6It will help to generate awareness among learners of the aspects of graphic arts in Print Journalism.</p>
BA III (Sem VI): Office Communication for Business	<p>CO1 It enables learners with language proficiency in Business/worksituations, particularly in spoken interaction</p> <p>CO2 It will make learners aware of the special features of format and style of in formal communication through various modes.</p> <p>CO3 This will equip learners with techniques of written communication inbusiness situations</p> <p>CO4 To expand vocabulary and develop reading comprehension of material related to business.</p>

B.A. ENGLISH (Elective)

Class/ Course code/ Course Name	Course outcomes
B.A. Semester – I Elective English	<p>CO 1: The course introduces the students to the world of literature through various short stories and acquaints the students with different points of views through an extensive reading of the essays, short stories and one act plays prescribed In the syllabus.</p> <p>CO 2: The prescribed topics of applied grammar such as articles, voice, sentence transformation and preposition enables the students to have an in-depth understanding of sentence structuring thus enabling them to write well.</p> <p>CO 3: The composition and vocabulary section includes official letter writing and usage of words/phrases in sentences which enhances students ability to write analytically and precisely</p> <p>CO 4: Learning literary terms permit the students to achieve a deeper</p>

	<p>understanding of the characters, themes and trends. Thus enabling students to assess develop and improve the writing process.</p>
<p>B.A. Semester – II Elective English</p>	<p>CO 1: The prescribed essays, short stories and one act plays enables the students to understand various aspects of society through the lens of literature while simultaneously helping them build their verbal and non verbal skills through introduction with plethora of words.</p> <p>CO 2: Various literary terms help students to establish and examine relationships between literature, literary terms and different genres.</p> <p>CO 3: Paragraph writing enhances the writing skills of the students and helps them strengthen their arguments.</p> <p>CO 4: Various topics such as translation and corrections etc. permits the students to improve and enhance their skills while ensuring accuracy in terms of language and writing style.</p>
<p>B.A. Semester –III Elective English</p>	<p>CO 1: <i>Merchant of Venice</i>, the universally read play prescribed to students to help them understand Shakespeare’s romantic comedy and early modern English. It helps the students by enhancing their skills of reading, comprehending and interpreting a text. The central idea of conflict between selfishness and self interest teaches the readers important life lessons.</p> <p>CO 2: Literary terms such as Mystery Plays, Indian Theory of Drama, Catharsis etc. helps the students to analyze the concepts of literary criticism and various trends of literature.</p> <p>CO 3: Prescribed topics such as comprehension and dialogue writing are dedicated to polish writing skills by equipping them with appropriate understanding to build their argument.</p> <p>CO4: Grammar section helps students by enhancing their understanding of language and key concepts through Idioms, One word substitution etc. Figure of speech improves understanding of figurative aspects of language.</p>
<p>B.A Semester – IV Elective English</p>	<p>CO 1: The prescribed poems introduces students to various themes, ages, historical aspects and writing styles of the poets thus broadening the horizons of learning, appreciating and appreciating.</p> <p>CO 2: Literary terms and figures of speech help students to detect many layers of meaning interwoven into the stories and poems.</p>

	<p>CO 3: Précis writing and Comprehension helps the students sharpen their writing skills thus enabling them to write clearly, coherently and cohesively.</p> <p>CO 4: Prescribed grammar helps students by enhancing their ability to use correct grammatical conventions appropriately</p>
<p>B.A. Semester-V Elective English</p>	<p>CO 1: The course introduces the students to several literary terms and basic concepts of English literatures which are necessary for basic understanding of various trends, movements and major themes of English literature in general.</p> <p>CO 2: It enables the students to understand literature through various stories and poems. It empowers the students to read, analyze and decode the poem, stories and prose essays with a critical perspective.</p> <p>CO 3: The writing sections involving Note making and Comprehension which equips students with better writing skills, comprehension of material and better retention.</p> <p>CO 4: The prescribed topics of the applied grammar section are inclined to improve the word power of the students. It equips them with better understanding of key concepts such as nouns, verbs and adjectives.</p>
<p>B.A. Semester – VI Elective English</p>	<p>CO 1: R.K. Narayan's <i>The Guide</i>, helps the students to gain an understanding of realistic techniques which Narayan uses to reflect such as the picture of Indian society and related aspects.</p> <p>CO 2: Literary terms and Concepts are beneficial for understanding the texts from a better perspective.</p> <p>CO 3: The writing section includes essay and report writing which enables students to write well while simultaneously enhancing their imagination and creativity.</p> <p>CO 4: Translation from Hindi/Punjabi into English helps students to have a better understanding of native languages and equips them with a better understanding of words and their meanings.</p>

HINDI (ELECTIVE)

Class/ Course Name	Course Outcomes
हिंदी(ऐच्छिक)सेमेस्टर -1	<p>CO1:काव्य के भावगत तथा शिल्पगत सौंदर्य का विश्लेषण करना ।</p> <p>CO2:हिंदी की उप बोली ब्रज भाषा पढ़ने में सक्षम होना ।</p> <p>CO3:कहानी की प्राविधिक संरचना को समझना तथा कहानियों का समीक्षात्मक अध्ययन करना ।</p> <p>CO4: कहानियों के माध्यम से जीवन तथा परिवेश की समझ विकसित करना तथा विभिन्न समस्याओं से अवगत होना तथा उनके बारे में चिंतन करने के लिए प्रेरित होना ।</p> <p>CO5:कविताओं तथा कहानियों द्वारा मानव मूल्यों को सुदृढ़ करना ।</p> <p>CO6:तकनीकी शब्दावली सीखकर सरकारी कामकाज करने में समर्थ होना ।</p> <p>CO7:रचनात्मक लेखन की ओर प्रवृत्त होना।CO8:समीक्षात्मक कौशल विकसित होना।</p> <p>CO9:हिन्दी साहित्य के उद्भव तथा वर्गीकरण को जानना और आदिकाल के साहित्य को समझना ।</p>
हिंदी(ऐच्छिक)सेमेस्टर -2	<p>CO1:हिंदी की उप बोली अवधी पढ़ने में सक्षम होना,ताकि रामचरितमानस जैसी कालजयी जीवनजीने की कला सिखाने वाली रचनाओं के भाव को आत्मसात किया जा सके ।</p> <p>CO2:गिरिधर कविराय के अनुभवों से जीवन जीने की कला सीखना ।</p> <p>CO3:उपन्यास की प्राविधिक संरचना से परिचित होना तथा कहानी और उपन्यास के मूलभूत अंतरको समझना ।</p> <p>CO4:झाँसी की रानी उपन्यास द्वारा नारी शक्ति का परिचय प्राप्त करना तथा संगठन के महत्व को समझना ।</p> <p>CO5:हिन्दी साहित्य के भक्तिकाल के द्वारा भक्ति तथा साधना के विभिन्न धाराओं को समझना तथाराजनीतिक और सामाजिक परिस्थितियों के आलोक में भक्तिकाल की प्रवृत्तियों को जानना ।</p> <p>CO5:मुहावरों लोकोक्तियों का अध्ययन करके अपनी भाषा को समर्थ बनाना ।</p> <p>CO6:पत्र लेखन की कला में निष्णात होना।</p>
हिंदी(ऐच्छिक) सेमेस्टर र-3	<p>CO1:आधुनिक काल के कवियों की रचनाओं के भावगत तथा भाषागत सौंदर्य का समीक्षात्मकअध्ययन करना सीखना।</p> <p>CO2:नाटक नामक विधा की प्राविधिक विशेषताओं को समझना तथा नाट्य समीक्षा के लिए नाटकके विभिन्न तत्वों तथा नाट्य प्रकारों का परिचय प्राप्त करना ।</p> <p>CO3:मिस्टर अभिमन्यु नाटक का मूल पाठ पढ़कर आज के मनुष्य के जीवन के विभिन्न सं</p>

	<p>घर्षों औरद्वंद्वों को समझकर भविष्य में आने वाले संघर्षों तथा द्वंद्वों से निपटने के लिए स्वयं को तैयार करना ।</p> <p>CO4:हिंदी साहित्य के रीतिकाल को तत्कालीन परिस्थितियों के संदर्भ में देखना ,समझना ।</p> <p>CO5:सरकारी कामकाज में प्रयुक्त होने वाली तकनीकी शब्दावली को हृदयंगम करके शासकीयकार्य करने में प्रवीणता प्राप्त करना।</p> <p>CO6:संधियों, समाकृति भिन्नार्थक शब्दों , वाक्य शोधन और विराम चिन्हों के अभ्यास द्वारा अपनीभाषा को संपन्न करना।</p>
हिंदी(ऐच्छिक) सेमेस्टर-4	<p>CO1: छायावाद प्रयोगवाद तथा नई कविता के कवियों की रचनाओं को पढ़कर उनकी भावगत तथाकलागत समीक्षा करना।</p> <p>CO2:एकांकी की प्राविधिक संरचना, विभिन्न भेदों को जानना तथा नाटक और एकांकी के अंतर कोसमझना।</p> <p>CO3: विभिन्न एकांकियों का मूल पाठ पढ़कर सिद्धांतों को उन पर लागू कर समीक्षात्मक अध्ययनकरना सीखना ।</p> <p>CO4:हिन्दी साहित्य के इतिहास के आधुनिक काल के विभिन्नवादों को उस युग की परिस्थितियों केसंदर्भ में समझना तथा उनवादों के अंतर को जानना।</p> <p>CO5:टिप्पणियों के अभ्यास द्वारा सरकारी कामकाज करने में सक्षम होना।</p> <p>CO6:शासकीय पत्र लेखन में प्रवीणता प्राप्त करना।</p>
हिंदी(ऐच्छिक) सेमेस्टर-5	<p>CO1:काव्य की मूल संरचना को समझना उसके विभिन्न तत्त्वों का परिचय प्राप्त करना तथा काव्य केविभिन्न भेदों में अंतर को समझना ।</p> <p>CO2:कुरुक्षेत्र नामक काव्य रचना के अध्ययन द्वारा खंडकाव्य की मूल संरचना को जानना तथासमझ प्राप्त करना ।</p> <p>CO3:गद्य की विभिन्न विधाओं को पहचानना और उनके अंतर को समझना ।</p> <p>CO4:विभिन्न अलंकारों के अभ्यास द्वारा अपनी भाषा को अभिव्यंजना पूर्ण बनाना सौंदर्य मंडित करनासीखना।</p> <p>CO5:गद्य की विभिन्न विधाओं को पहचानना उनके अंतर को समझना।</p>
हिंदी(ऐच्छिक) सेमेस्टर-6	<p>CO1:निबंध लेखन के अभ्यास द्वारा जीवन और समाज की विभिन्न सामाजिक समस्याओं तथा विषयोंके बारे में चिंतन करने को बाध्य होना ।</p> <p>CO2:गद्य की विभिन्न विधाओं के आरंभ तथा विकास से परिचित होना।</p> <p>CO3:गद्य की विभिन्न विधाओं के पठन द्वारा उनके सूक्ष्म अंतर को रेखांकित करना सीखना तथासिद्धांत रूप में पढ़ी गयी इन विधाओं के नियमों को लागू करते हुए समीक्षात्मक अध्ययन करनासीखना ।</p>

	<p>CO4:गद्य की विभिन्न विधाओं के आरंभ और विकास से परिचित होना ।</p> <p>CO5:छन्दों की पहचान करना सीखना ।</p> <p>CO6::देवनागरी लिपि के उद्भव तथा विकास के बारे में जानकारी प्राप्त करना ।</p> <p>CO7:विभिन्न निमंत्रण पत्रों के अभ्यास द्वारा हिन्दी में निमंत्रण पत्र लिखने की कला में दक्षता प्राप्तकरना।</p> <p>CO8:हिन्दी में विज्ञापन का प्रारूप तैयार करने में प्रवीणता प्राप्त करना ।</p> <p>CO9:प्रेस विज्ञप्ति लेखन विधि में पारंगत होना ।</p>
--	---

PHYSICAL EDUCATION (ELECTIVE)

Class/ Course Name	Course Outcomes

<p>BA 1st SEMESTER</p>	<p>CO1: This paper is to provide basic knowledge about the concept and historical development of Physical Education in India.</p> <p>CO2: It provides information about the origin of various sports events and competitions such as Ancient and Modern Olympic Games, Asian Games and Commonwealth Games</p> <p>CO3: elaborate the functions of governing bodies such as Sports Authority of India (SAI), Indian Olympic Association and International Olympic Committee.</p> <p>CO4: The basic knowledge about Physical Education and its development as a professional career.</p>
<p>BA 2nd SEMESTER</p>	<p>CO1: This paper explains the anatomy and physiology of human body related to physical activity and bodily movements.</p> <p>CO2: It provides the knowledge about the concept of Health and Health Education</p> <p>CO3: Provides basic knowledge related to growth and development and the factors which may affect the process of growth and development.</p> <p>CO4: Information about various concepts related to physical and bodily movement and their effect on various systems along with the effect of exercise on them.</p>

<p>BA SEMESTER 3rd</p>	<p>CO1: Knowledge about various aspects of psychology and sports psychology, which helps the sports persons to improve their performance.</p> <p>CO2: It provides the knowledge about laws of learning and learning curve.</p> <p>CO3: Provides basic knowledge to the students to deal with psychological problems and role of Physical Education to solve their problems.</p> <p>CO4: Make students understand about the concept of personality and its Traits and role of politics, economy and media in promoting sports.</p>
<p>BA SEMESTER 4th</p>	<p>CO1: This paper explains the physiological systems of the body, blood and its composition, communicable diseases, yoga and sports injuries.</p> <p>CO2: It provides the knowledge about Respiratory System, Digestive System and Circulatory System of the human body.</p> <p>CO3: Provides basic knowledge related to communication diseases like HIV/AIDS, Hepatitis and Tetanus ,mode of transmission and prevention.</p> <p>CO4: Information about various types and causes of disability. Methods of rehabilitation to regain the former fitness after an injury.</p>
<p>BA SEMESTER 5th</p>	<p>CO1: This paper explains about Play, theories of Play and about the significance of recreation for healthy life.</p>

	<p>CO2: It provides the knowledge about the organization of camps, athletic meet and to prepare fixtures for various sports tournaments.</p> <p>CO3: Provides basic knowledge about postural deformities like kyphosis, lordosis, flat foot, knock knees and the remedial measures for these.</p> <p>CO4: The knowledge of physical activities and their effects on aging and body composition.</p>
BA 6th SEMESTER	<p>CO1: This paper explains about various physiological systems nervous system, excretory system, and endocrine system and their functions.</p> <p>CO2: It provides the knowledge about about sports training and principles of sports training.</p> <p>CO3: Provides basic knowledge about general physiological concepts like vital capacity, oxygen debt, fatigue muscular contraction, meaning of blood pressure and hypertension.</p> <p>CO4: The detailed knowledge of career aspects in Physical Education.</p>

HISTORY (ELECTIVE)

Class/ Code/ Course Name	Course Outcomes
<p>Semester I</p> <p>Name: History of Ancient India (up to 1200 AD)</p>	<p>CO1:By studying this paper, the student can understand the human evaluations like the transformations occurred right from Indus valley civilization times to 12th century A.D.</p> <p>CO2: identify and define various kinds of sources and understand how evidence is notified.</p> <p>CO3: Compare and contrast various stages of progress from Indus valley civilization to Vedic age and analyse the Jain,</p>

	<p>Buddhist and Vedic faiths.</p> <p>CO4:Increase the awareness of transition from territorial states to emergence of empires.</p> <p>CO5:Analyse the emergence of the Mauryan and Gupta empires during the “Classical age” in India.</p> <p>CO6:Critically examine the nature of monarchic rule and develop a comprehensive understanding of cultural evolution during ancient period.</p> <p>CO7:Visualize where places are in relation to one another through map pointing.</p>
<p>Semester II HISTORY OF INDIA (FROM 1200 A.D TO 1750A.D.)</p>	<p>CO1: Students of history will learn about the foundation, expansion, and consolidation of the Sultanate of Delhi and to the downfall of the Delhi Sultanate.</p> <p>CO2:They will learn towards the emergence of provincial dynasties & Consolidation of regional identities like, Bahmani, Vijayanagara and Bengal.</p> <p>CO3:They also acquire the knowledge about the Changing scenarios of the urban and rural societies after consolidation of the rule of the Sultanate of Delhi.</p> <p>CO4:They can learn about the activities of Delhi Sultanate i.e., revenue systems monetization, market regulations, growth of urban centers, trade and commerce, Indian Ocean trade etc.</p> <p>CO5:Students can get the idea of religious syncretism; rise of Sufi and Bhakti and their impact on Indian society.</p> <p>CO6:They acquire knowledge towards the Turkey’s invasion & Struggle for Empire in North- Western India and foundation of the Mughal Rule in India.</p> <p>CO7:Identify the condition of India under the Mughal Empire.</p> <p>CO8:Explain the Administration and art and architecture of Mughals.</p>

	<p>CO9:Analyze the rise of the Marathas and the contribution of Shivaji.</p> <p>CO10:Students will learn about the Mughal Indian society, economy, and culture after consolidation of the Mughal rule India.</p> <p>CO11:They will learn from this course about the consolidation and expansion of the Mughal empire and how far it has changed its character during the reign of Aurangzeb.</p> <p>CO12:They can understand the roots of the fall of Mughal empire as well. They will square knowledge on visual culture of these times.</p>
<p>Semester III History of Modern India (From 1707 AD to 1964 AD)</p>	<p>CO1:The Students of history will learn how to raise regional powers in India after the downfall of the Mughal Empire and in the course of time how to rise of the Company's absolute power in India.</p> <p>CO2:They can understand about the colonial nature of state for 200 years rule of the British power in this land.</p> <p>CO3:They can gather knowledge about how the Indian social, political, religious, and economical changes happened during the Company's rule in India.</p> <p>CO4:They will understand how the company's economic exploitation made Indian revolutionary against the British rule. That ultimately paved the background of the Great Revolt of 1857.</p> <p>CO5:Students can acquire vast knowledge on local rebellion and movements like the Indigo rebellion, the Deccan riots, growth of the new middle class; the age of associations, the Aligarh movement, the Arya, and the Prathana Samaj</p>

	<p>aftermath of 1857.</p> <p>CO6:They will learn the real historiography of Indian Nationalism and Birth of Indian National Congress, The Moderates and the Extremists, Partition of Bengal, the Swadeshi movement in Bengal in 1905.</p> <p>CO7:They can acquire knowledge how to rise of Gandhi's power in Indian politics and his activities towards the freedom like, Rowlett Satyagraha, Khilafat and Non-co-operation movement, The Swarajya party, Poona Pact, Civil Disobedience Movement, Quit India Movement.</p> <p>CO8:They also learn how to raise communal politics and opposition politics on the eve of the freedom movement in India and after math of partition in India.</p>
<p>SemesterIV History of the Punjab (From 1469 AD to 1966 AD)</p>	<p>CO1:Develop understanding about the origin and growth of Sikhism and various institutions.</p> <p>CO2:Understand martyrdoms of Sikh Gurus and creation of Khalsa organization.</p> <p>CO3:Understand and analyze the development of different institutions- Dal Khalsa, Misls, Rakhi, and Gur Matta.</p> <p>CO4:Understand rise of Maharaja Ranjit Singh, Administration, social and cultural conditions.</p> <p>CO5:Analyze political chaos after the death of Maharaja Ranjit Singh in Lahore kingdom, annexation of Punjab by the Britishers</p> <p>CO6 After completion of the course, student came to know about the reasons which led to establishment of the British rule in the Punjab, Board of administration.</p> <p>CO7:Analyse British policy towards education.</p> <p>CO8:Analyse British policy towards agriculture, industry, trade, and education</p>

	<p>CO9: The Social evils and the efforts made by the social reformers to eradicate the since ancient and medieval times.</p> <p>Students came to know the chronology of India's independence struggle and dedications and scarify of the India national statesmen during Indian Independence struggle.</p> <p>CO10: Understand and develop awareness about political consciousness.</p> <p>CO11: Understand the circumstances leading towards partition and aftermaths.</p> <p>CO12: Understand and analyze the partition and its impacts</p>
<p>Semester V</p> <p>World history (1500-1870A.D)</p>	<p>CO1: Demonstrate advanced factual knowledge of world histories, Politics and Cultures. Students will get knowledge from the debates which explain the transition of feudalism to capitalism.</p> <p>Assess and appraise the developments in art literature and society during the Renaissance and utilize content knowledge of the reformation and counter reformation to make predictions about the evolution of Christianity in Europe and abroad. The students will notice that the world may change due to the geographical discoveries.</p> <p>CO2 Evaluate the causes for the Glorious revolution and American Revolution and identify the background for the evolution of human right movement.</p> <p>CO3 Understand the main events of the French revolution and its significance in the shift in European culture from Enlightenment to romanticism. They will learn about the French Revolution and its impact of European countries. Unity and power make people to strength which has showed in the French revolution in 1789.</p> <p>CO4 Students come to know about the emergence of</p>

	<p>Napoleon Bonaparte in Europe and his expansion, consolidation, downfall.</p> <p>CO5 The students will understand the changes that occur in the world by the intellectual ideology. How the Industrialization had occurred, and it's affected on socio-economic transformation of Europe.</p> <p>CO6 The students will acknowledge the distinction caused by entire nationalism. This extreme nationalism origin through the unification of Italy & Germany and thus led to two world war. They will know about the politics of superpower among the European countries.</p>
<p>Semester VI</p> <p>World history (1871-1991A.D.)</p>	<p>CO1:Students can understand about the rise of imperialism and how far German imperialism was responsible for the first and second world war.</p> <p>CO2:By studying this paper students will know the immediate reasons for the two major world wars and the destructions caused, thus one can understand the necessity and measures to be taken to avoid the third world war. The vital role of the UNO in the World peace. The thought of strengthen of UNO will be brought to the minds of every student.</p> <p>CO3:The students will analyze how Russia's traditional monarchy was replaced with the world's first communist state. They will know about the Bolshevik revolution and the politics between two world war.</p> <p>CO4:How the sense regarding the nationalism and unification had developed among the European countries on eve of the 2 world war.</p> <p>CO5:Students will learn about the post-war developments of Social, Political and Economic scenarios of the World and de-colonization and the emergence of the Third world. As well as they will learn origin of the Cold War and Changing World political Scenarios and emerging trends in culture, Media, and Revolution among European countries.</p>

	<p>CO6: The students will develop the intellectual curiosity and habit of thought that will lead to lifelong learning and continued engagement with European history, literature, culture, languages, and current affairs and acquire advanced international and intercultural competency through course work in international studies.</p> <p>CO7: Visualize where places are in relation to one another through map pointing</p>
--	--

HISTORY AND CULTURE OF PUNJAB (COMPULSORY)

Class/ Code/ Course Name	Course Outcomes
<p>Semester I</p> <p>History And Culture Of Punjab From Earliest Times To Pre-Mauryan Period</p>	<p>CO1: Understand the human evaluations like the transformations occurred right from Indus valley civilization.</p> <p>CO2: Identify and define various kinds of sources and understand how evidence is notified.</p> <p>CO3: Compare and contrast various stages of progress from Indus valley civilization to Vedic age.</p> <p>CO 4: Understand the evaluation of caste system and the foreign invasion and its impact.</p> <p>CO5: Visualize where places are in relation to one another through map pointing</p>
<p>Semester II</p> <p>History And Culture Of Punjab From Mauryan Times To 1200 A.D.</p>	<p>CO1: Analysis of Jainism, Buddhism and Vedic faiths.</p> <p>CO2: Develop understanding about art school of Gandharan.</p> <p>CO3: Investigate the emergence of the Mauryan and Gupta empires during the “Classical age” in the Punjab. Critically examine the nature of monarchic rule and develop a comprehensive understanding of cultural evolution during ancient period.</p>

	<p>CO4: Understand Traveler’s account of the foreigners in detail</p> <p>CO5: Visualize where places are in relation to one another through map pointing</p>
<p>Semester III</p> <p>History And Culture Of Punjab 1200.C-1700 A.D.</p>	<p>CO1: Learn the foreign invasions in India and their consequences.</p> <p>CO 2: Investigate the emergence of composite culture in Punjab. Understand the Socio, Economic, cultural conditions, administration, art and architecture of Turk-Afghan and Mughals in the medieval Punjab.</p> <p>CO3: Develop understanding about the origin and growth of Sikhism and various institutions as well as Bhakti and Sufi movement.</p> <p>CO 4: Understand martyrdoms of Sikh Gurus and creation of Khalsa organisation.</p> <p>CO5: Visualize where places are in relation to one another through map pointing</p>
<p>Semester Iv</p> <p>History And Culture Of Punjab 18th And Early 19th Centuries</p>	<p>CO1: Analyze the political scenario in the Punjab under Mughal and Afghan Governors, role of Banda Bahadur.</p> <p>CO2: Understand the development of Institutions – Dal Khalsa, Rakhi, Gur Matta and Misls.</p> <p>CO3: Understand rise of Maharaja Ranjit Singh, Administration, social and cultural conditions.</p> <p>CO4: Analyze political scenario after the death of Maharaja Ranjit Singh in Lahore kingdom, annexation of Punjab by the Britishers.</p> <p>CO-5 Visualize where places are in relation to one another through map pointing</p>
<p>Semester V</p> <p>History And Culture Of Punjab: Colonial Period</p>	<p>CO1: After completion of the course, student came to know about the reasons which led to establishment of the British rule in the Punjab, Board of administration.</p> <p>CO2: Examine British policy towards agriculture, industry,</p>

	<p>trade, and education.</p> <p>CO3: The Social evils and the efforts made by the social reformers to eradicate them since ancient and medieval times.</p> <p>CO4: Students came to know the chronology of India's independence struggle and dedications and scarifies of the Indian national statesmen during Indian Independence struggle.</p> <p>Understand the circumstances leading towards partition and aftermaths.</p> <p>CO5: Visualize where places are in relation to one another through map pointing</p>
<p>Semester VI</p> <p>History And Culture Of Punjab: Post Independence Period</p>	<p>CO 1: Understand and analyze the partition and its impacts.</p> <p>CO2: Students develop understanding about social and economic developments till 1986 A.D.</p> <p>CO3: Understand green revolution and its development.</p> <p>CO4: Students develop understanding about political conditions till 1986 A.D.</p> <p>CO5: Visualize where places are in relation to one another through map pointing</p>

BACHELORS OF ARTS (HONS SUBJECTS)

Program Outcomes
<p>Po1. To train newly inducted undergraduates with the necessary social, linguistic, cultural, historical and economical knowledge of the working of society.</p> <p>Po2. To instruct and groom learners in the attributes of critical and analytical thinking and writing, ethics, team co- ordination, co-operation and empathy towards society in particular and humanity at large.</p> <p>Po3. To enable the learners to respond to pressing social, cultural and economic issues around them</p>
Program Specific Outcomes
<p>Pso1. Undergraduates will have the necessary social, linguistic, cultural, historical and</p>

economical knowledge of the working of society.

Pso2:. Learners will achieve critical and analytical thinking and writing, ethics, team co-ordination, co-operation and empathy towards society in particular and humanity at large.

Pso3: learners to respond to pressing social, cultural and economic issues around them

Class	Course Outcome
Sem-III (Odd)- B.A II Year (Hons.) – Economies Of Population	<p>CO1: Understand the growth of population in the context of India.</p> <p>CO2: Acquire knowledge about early views on population issues.</p> <p>CO3: Understand the measures of fertility.</p> <p>CO4: Describe the consequences of population growth on National Income.</p> <p>CO5: Explore the theory of demographic transition and enlighten modern theories</p>
Sem-IV (Even)- B.A II Year (Hons.) – Industrial Economics	<p>CO1: Understand Basic concepts of firm, industry and market, Industrial structure and economic development.</p> <p>CO2: Describe the various forms of Market Structure and Growth of the Firms</p> <p>CO3: Examine the theories of Industrial Location and industrial concentration and Dispersal in India</p> <p>CO4: Apply economic models of firm behaviour to analyse business strategy, competition policy and regulation.</p> <p>CO5: Evaluate Industrial policies since Independence and its policy implications</p>
Sem-V (Odd)- B.A III Year (Hons.) – Money And Banking	<p>CO1: Identify the main determinants of interest rates in financial markets</p> <p>CO2: Gain knowledge about various aspects of banking industry.</p> <p>CO3: Analyze the theories of the demand for and supply of money.</p> <p>CO4: Gain knowledge about the tools and targets of monetary policy.</p>

	CO5: Evaluate transmission mechanisms of monetary and fiscal policy.
Sem-VI (Even)- B.A III Year (Hons.) – Public Finance	CO1. Develop conceptual clarity of Public expenditure theories and Public revenue. CO2: Analyse the effects of public expenditure on the economic activities. CO3: Understand the role of Public Debt and Budgetary Policy. CO4: To apply the principle of optimal taxation in analysing various Governments tax policies CO5: Analyse principles of Federal finance and Mobilisation of Financial Resources for Planned Development.

BACHELORS OF ENGLISH (HONOURS)

Class/ Code/ Course Name	Course Outcomes
B.A Semester –III English Honours	CO 1: Learn the salient features of 16th-19th Century Literature from History of English Literature with particular reference to major literary movements and authors. CO 2: Have an in-depth knowledge of selected texts of William Shakespeare, Francis Bacon, John Donne and John Milton, examining them for their themes and structures etc. CO 3: Learn the relevant literary terms through this exposure to textual studies.

<p>B.A</p> <p>Semester – IV</p> <p>English Honours</p>	<p>CO 1: Gain in-depth knowledge of English literature and promote further research in the area.</p> <p>CO 2: Learn the basic trends and features of 18th-19th Century literature from history of English literature.</p> <p>CO 3: study and critically analyze selected texts of Emily Bronte, S . t Coleridge, PB Shelly and Thomas hardy.</p>
<p>B.A III</p> <p>Semester –V</p> <p>English Honours</p>	<p>CO 1: Learn the basic trends and features of 20th Century Literature from History of English Literature.</p> <p>CO 2: Study and critically analyze selected texts of G.B. Shaw, George Orwell, D.H Lawrence and W.B Yeats for plots, themes, social relevance etc.</p> <p>CO 3: Learn the relevant literary terms through this exposure to textual studies.</p>
<p>B.A III</p> <p>Semester – VI</p> <p>English Honours</p>	<p>CO 1: Gain in-depth knowledge of English literature and promote further research in the area.</p> <p>CO 2: Learn the basics and fundamentals of Indian Writings in English</p> <p>CO 3: Study and Critically analyze selected texts of Rabindranath Tagore, Mulk Raj Anand, R.K Narayan and Kamala Das.</p>

PSYCHOLOGY (HONS)

Class/Code/Course Name	Course Outcomes
Semester III Social Psychology	<p>CO1. Social Psychology emphasizes to understand the relationship between society and individuals</p> <p>CO 2. Enables the students in understanding group dynamics and understanding of decision making behavior.</p> <p>CO 3. The students also understand the concept of Leadership and functions of leaders and understand the integrity, self -awareness of leaders.</p> <p>CO 4. Role of attitudes and learning behavior in the society.</p>
Semester IV Recent Perspectives in Psychology	<p>CO 1 Knowing about the concept of emotional intelligence and developing it through self-awareness and understanding the emotions of others.</p> <p>CO 2. The relation between spirituality and well- being is highlighted. Encourages to have better relation with self, others and unknown.</p> <p>CO 3. Knowing about the stressors. Stress leads to coronary heart disease. To know about the coping strategies.</p> <p>CO 4. To understand the role of positive emotions on mental health.</p>
Semester V Psychological Testing	<p>CO1. To introduce the students with the history, importance and classification of psychological testing and procedure to test construction and standardization Item writing</p> <p>CO 2. Interpretation of test scores and knowing about the reliability and validity of test scores.</p>
Semester VI Counselling & Organizational Psychology	<p>CO 1. The concept and approaches of Counselling and Organizational Psychology.</p> <p>CO 2. Work motivation and the desire to excel in whatever one does.</p> <p>CO 3. Health protective behavior to look after oneself for good mental health.</p> <p>CO 4. To understand the psychology of exceptional children.</p>

MA ENGLISH

Programme Outcome

PO1: Students will have Knowledge of the history of the various Periods and Movements in the English Literature.

PO2: As the programme offers study not only of literature written in English language but also English translations of literary texts written in Indian languages offering diversity to the student.

PO3: The programme aims to familiarize the students with the theories, approaches, methods, and specific techniques towards understanding English literature and language.

PO5: The programme will equip students with an awareness of socio-political and economic conditions of the English society in different historical and literary periods, which will help students develop an ability to read texts in relation to their historical and cultural contexts.

PO6: The Programme will enable the students to analyse literature and fiction using appropriate theoretical, historical, and cultural apparatus. Students get to know various cultures and the construction of gender, nation and race throughout history

Program Specific Outcomes

PSO1: Students will be prepared for the potentially rich and career-enhancing field of Doctoral research.

PSO2: In terms of employability, the students will become well trained for fields such as content writing in both government as well as private sector, especially Information and Broadcasting sector.

PSO3: The students will possess the basic knowledge associated with translation and a short-term diploma course in translation will open up avenues for them in both government and private sector.

PSO4: On completion of the course, the students become eligible for employment in government sector as a language officer.

PSO5: The students also become eligible for UGC-NET, the basic eligibility criteria for the post of Assistant Professor across India.

Class	Course Outcomes
<p>MA I (Sem I)</p> <p>Paper I: Literary Movements I</p>	<p>CO1: Develop historical and conceptual understanding of various literary movements for a critical engagement from the vast corpus of literature, such as classicism, romanticism or realism.</p> <p>CO2: Develop an understanding of aesthetic, cultural and ethical values and preferences of each movement included in the syllabi.</p> <p>CO3: Comprehend identifiable literary taste and trend of the periods of English literature while studying heterogeneity and particularities of writers and writings of a particular period.</p>
<p>Paper II: Approaches to Literary Criticism I</p>	<p>CO1: Identify and understand various approaches to Literary Criticism, such Historical Approach, Mythological Approach, Psychological Approach, Formalist Approach etc.</p> <p>CO2: Equip themselves with a knowledge of key forms and terminology of literary criticism. CO3: Understand that each approach has its own well-argued theoretical base, a set of tested tools and a sustained methodology.</p> <p>CO4: Apply different approaches of Literary Criticism on literary texts to navigate through the text with a degree of precision.</p> <p>CO5: Comprehend critical pluralism.</p>
<p>Paper III: British Literature I</p>	<p>CO1: Have an acute comprehension of English literature of the English Renaissance, Reformation and Restoration times.</p> <p>CO2: Trace the key political, cultural and artistic transformations while paying close attention to continuities with</p>

	<p>medieval tradition.</p> <p>CO3: Will be well versed with the iconic writers and representative texts of the time as well as important intellectual shift that occurred in the human thought.</p> <p>CO: Understand the Protestant Reformation and its impact on English literature.</p> <p>CO4: Familiar with the major trends, ideas, genres, poetic forms and prose of these periods.</p>
<p>Paper IV: British Literature II</p>	<p>CO1: Characterise English literature written from the end of eighteenth century to the mid of nineteenth century, that majorly covers the Romantic Period.</p> <p>CO2: Identify the English Romantic imagination, its stress on Nature, poetic inspiration, freedom, individualism and spontaneity; and the role language plays in it.</p> <p>CO3: Identify and analyse major themes, ideas and concepts of Romanticism and English Literature along with the historical, cultural, political and aesthetic milieu of the time.</p> <p>CO4: Understand the cultural and literary shift from objectivism to subjectivism.</p> <p>CO5: Know about the trends, ideas, poetic forms and genres prevalent during this period.</p>
<p>Paper I: Literary Movements II</p>	<p>CO1: Develop historical and conceptual understanding of various literary movements for a critical engagement from the vast corpus of literature, such as classicism, romanticism or realism.</p> <p>CO2: Develop an understanding of aesthetic, cultural and ethical values and preferences of each movement included in the syllabi.</p> <p>CO3: Comprehend identifiable literary taste and trend of the periods of English literature while studying heterogeneity and particularities of writers and writings of a particular period.</p>

<p>Paper II: Approaches to Literary Criticism II</p>	<p>CO1: Identify and understand various approaches to Literary Criticism, such Historical Approach, Mythological Approach, Psychological Approach, Formalist Approach etc.</p> <p>CO2: Equip themselves with a knowledge of key forms and terminology of literary criticism.</p> <p>CO3: Understand that each approach has its own well-argued theoretical base, a set of tested tools and a sustained methodology.</p> <p>CO4: Apply different approaches of Literary Criticism on literary texts to navigate through the text with a degree of precision.</p> <p>CO5: Comprehend critical pluralism.</p>
<p>Paper III: British Literature III</p>	<p>CO1: Identify major writers and texts of the time and focus on the ideological, political, social and cultural impact on Victorian culture.</p> <p>CO2: Trace the effect of industrialization, urbanization, class conflict, Darwin and religious crisis, issue of gender, empire and imperial expansion and much more on the literature of the times.</p> <p>CO3: Analyse the Victorian Gothic novel and its impact and continued popularity.</p> <p>CO4: Understand genre of science fiction.</p> <p>CO5: The major writers, representative works and will be able to engage critically on the issues regarding empire, race, class, gender, impact of science, ‘the woman question’ and other significant events of the period.</p>
<p>Paper IV: British Literature IV</p>	<p>CO1: Identify major writers and texts of an era of conflict and uncertainty. The twentieth century, period of shifting perspectives, class struggle, gender equality, devastating wars, and collapse of traditional notions of culture and aesthetics.</p> <p>CO2: Trace the break from the preceding Victorian period of established rules, traditions and conventions.</p>

	<p>CO3: Identify innovative literary techniques, intellectual trends and change in themes of this turbulent period.</p> <p>CO4: Familiar with the representative texts, literary terminology, and the socio-political and cultural events that shaped twentieth century literature.</p>
Class/Code	Course Outcomes
<p>MA II (Sem III)</p> <p>Paper I: Critical Theory – I</p>	<p>CO1 – Grasp the canon, spilling outside the erstwhile ambit of “Wulf to Woolf” and the shift in the tools of analysis</p> <p>CO2 – Understand the movement of literary benchmarks to extra literary- to progressively borrowing from diverse fields, viz., economics to psychology, history to sociology, theory represents a wide spectrum.</p> <p>CO3 – Understand the effect of literary theory on study of literature as transcending the original impulse of text analysis</p> <p>CO4–Learn how theory asserts a tangible influence on the production of literature itself.</p> <p>CO5 - Read core texts representing a range of literary theory.</p> <p>CO6 - Represent a historical progression of literature analysis as well as the ideological impulses that have modified the practice of literary studies.</p>
<p>Paper II:Shakespeare – I</p>	<p>CO1– Look at the growing corpus of multiple re-writings of Shakespeare’s plays.</p> <p>CO2 – Discuss the emerging matrices of race, gender and nationalism have often lead creative writers, theatre artists and film directors to re-fashion, re-contextualize and re-write his plays in alternative ways.</p> <p>CO3 – Examine alternative ways at times take radical</p>

	<p>subversive turn as lead characters stand reduced into marginal ones and the absent characters emerge from nowhere to displace the iconic ones.</p> <p>CO4–Appreciate the rewritten plays of the great playwright along with the originals ones to underscore the discourse of Shakespeare in contemporary times.</p>
<p>Paper III:Postcolonial Literatures – I</p>	<p>CO1 – Examine some key concepts and debates in postcolonial writing, theory and criticism.</p> <p>CO2–Achieve an understanding of some conceptual categories of postcolonial studies—its assumptions, contexts, pitfalls.</p> <p>CO3 – Explore the origins and meaning of the history of colonialism and postcolonialism to understand the effect of imperialism on the colonized world.</p> <p>CO4 – Focus on self-representation and resistance, to postcolonial activism and to theories of language and nationalism in the formerly colonized societies.</p> <p>CO5 – To be able to place theory and texts in a dialogue so that theory will act as an accompanying method for understanding the writing of the texts.</p>
<p>Paper IV: a.) Option I - Writings from Punjab –I</p>	<p>CO1 – Examine evolution in the narrative through writings from Punjab, between 15th and 19th centuries and attempts to include the distinctly "Punjabi" works in different genres spread across a period of about 500 years.</p> <p>CO2 - To situate the paper in the larger socio-economic matrix of medieval Punjab.</p> <p>CO3 - Focus on touching a little of all significant writings of Punjab and to include multiple perspectives that emerged during the aforesaid historical period</p> <p>CO4 - Comprehend how literary ground was being set up through these writings.</p>

<p>b.) Option II - American Literature I (Poetry and Drama: 1900 to the Present)</p>	<p>CO1 - Explore the immense vitality of American Literature over the course of the 20th century through transformative works of acclaimed writers who have shaped the contours and developments of the American literary tradition.</p> <p>CO2 – Offer critical insights into the historical and cultural influences, literary movements and major literary figures of a highly fecund century.</p> <p>CO3 - Analyse texts that have been selected for detailed study as representative of adynamic literary tradition that emerges from multiple perspectives such as those of race, gender, ethnicity, socio-economic class and historical period.</p> <p>CO4 – Focus on various literary and cultural movements/concepts/trends/terms related to American literary history.</p>
<p>Paper V:</p> <p>a.) Option I - Dissertation-Work</p>	<p>CO1 - Understand the basics of research and dissertation writing.</p> <p>CO2 – Effectively use the MLA Handbook (Latest Edition).</p> <p>CO3 – Develop a research question and methodology</p> <p>CO4 – Present a response to a proposition or an argument</p> <p>CO5 – Effectively undertake literature review</p> <p>CO6 – Tackle plagiarism issues and produce original work</p>
<p>B.) Option II – Research Methodology</p>	<p>CO1 - Explore subject-matter for creating new knowledge or extending the frontiers of existing knowledge.</p> <p>CO2 - Impart the basic understanding of research tools and techniques, research ethics, research theory, online and print sources and documentation to the students.</p> <p>CO3 - Learn the theoretical aspects of research as well as their practical applicability.</p>

MA II (Sem IV)	Course Outcomes
Paper I: Critical Theory – II	<p>CO1 – Understand how post-1980, the gap between literary theory and cultural theory has narrowed down.</p> <p>CO2 – Realise how Literary theory has brought about changes in the ways in which we conceptualize larger discourses of history, colonialism, gender and ideology</p> <p>CO3 - Map the subsequent development and new interrogations in the field.</p> <p>CO4 - Expose students to later developments in the field of literary theory.</p> <p>CO5 - Deal with theoretical understanding of history, ideology, gender and colonialism.</p>
Paper II:Shakespeare – II	<p>CO1 – Look at the growing corpus of multiple re-writings of Shakespeare’s plays.</p> <p>CO2 – Discuss the emerging matrices of race, gender and nationalism have often lead creative writers, theatre artists and film directors to re-fashion, re-contextualize and re-write his plays in alternative ways.</p> <p>CO3 – Examine alternative ways at times take radical subversive turn as lead characters stand reduced into marginal ones and the absent characters emerge from nowhere to displace the iconic ones.</p> <p>CO4- Appreciate the rewritten plays of the great playwright along with the originals ones to underscore the discourse of Shakespeare in contemporary times.</p>
Paper III:Postcolonial	<p>CO1 - Examine more contemporary essays and texts, ranging from issues of history-writing to hybridity, from decolonization</p>

<p>Literatures – II</p>	<p>to rapidly globalizing third-world economies, and finally to blackness, terror and migration.</p> <p>CO2 - Consider how postcolonialism has changed its agendas, having migrated to the United States by transcending national boundaries.</p> <p>CO3 - Move beyond an introductory study of colonialism/postcolonialism to focus on the enormous minefield Postcolonial Studies has become.</p> <p>CO4 - Probe whether the discipline maintains links with the literature of dissent and resistance examined in Semester I.</p> <p>CO5 – Analyse the meanings and implications of postcolonialism today as well as critique the discipline and interrogate its wide-ranging scope. question shall have internal choice.</p> <p>CO6 - Cover a range of terms/concepts/trends/movements specific to the course which may be author or text-based.</p>
<p>Paper IV:</p> <p>a.) Option I - Writings from Punjab –II</p>	<p>CO1 – Understand how the cataclysmic event of Partition and the strife in the 1980s ripped apart the social fabric of a society that had syncretic roots.</p> <p>CO2- Examine how the experience of the community has also found echoes in the burgeoning diasporic space.</p> <p>CO3 - Showcase the continuing syncretic ethos of Punjab by including languages such as Urdu and Hindustani in addition to Punjabi and the multiple identities that have gone on to shape Punjabin.</p> <p>CO4 -Explore the shifting contours of literary trends of Punjab in the modern period. The chosen texts contend with the intersection of class, caste, gender and the multiple pasts and geographies of Punjab.</p>

<p>b.) Option II - American Literature -- II (Multicultural I American Fiction: 1980 to the Present)</p>	<p>CO1 - Explore the breadth and diversity of recent and contemporary American Fiction revealing a rich heterogeneity through the emergence of a wide spectrum of writers from divergent ethnic groups possessing unique and distinctive traditions and strands of thought.</p> <p>CO2 – Offer interesting insights into the dynamics of race, ethnicity, socio-economic class, sexuality and gender.</p> <p>CO3 – Discuss diverse traditions ranging from African American, Jewish American, Mexican American and Native American backgrounds.</p> <p>CO4 – Comprehend the formal and aesthetic aspects of specific texts as well as a grasp of literary movements/ trends/concepts and terms related to the historical and cultural aspects that distinguish the text within American literary history.</p>
<p>Paper V: Creative Writing and Soft Skills</p>	<p>CO1 -Impart a keener understanding of the finer aspects of creative writing, translation and other soft skills.</p> <p>CO2 – Emphasise the practical application of the ideas related to the use of language in different situations.</p> <p>CO3 – Examine in terms of their skills of writing creatively on given situations and also translating paragraphs from one language to another.</p> <p>CO4 - Provide general guidelines in dealing with questions of applied nature.</p>

MA ECONOMICS

PROGRAM OUTCOMES

PO1: Knowledge of Economic theories-An ability to understand economic theories or laws and functioning of basic Microeconomic and Macroeconomic systems. This shall enable the students to understand systematic facts and latest theoretical developments for empirical analysis.

PO2: Statistical and Mathematical Skills-Acquaint the students with data collection, presentation, analysis and drawing inferences about various statistical hypotheses,ability to use basic mathematical and statistical tools to solve real economic problems.

PO3:Understanding Economics policies -Students shall be able to understand that economic policy-makers are guided by economic considerations supported by economic theories in framing various subsets of economic policies like Trade policy, Fiscal and Monetary policy etc. The discipline of 'Public Finance' provides an in-depth knowledge about those policies and operations which involve the use of tax and expenditure measures while, Budgetary policy is an important part to understand the basic problems of use of resources, distribution of income etc.

PO4: Econometric techniques -Acquaint with basic and applied econometric tools and methods used in economics. The aim of this course is to provide a foundation in applied econometric analysis and develop skills required for empirical research in economics.

PO5: Development Perspectives- Acquaint the students with developmental policies designed for developed and developing economics. The course also apprise with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities. Besides, the resurgence of marketism and greater focus on areas like education,health,sanitation,energy and environment , infrastructure development and economic planning.

PO6: Insights into Indian Economy-Acquaint the students with the performance of different sectors of the Indian economy and the policy framework governing them.This will provide them an insight into the past, present and future functioning of the Indian Economy.

PO7: Strengthen the Analytical thinking and Problem Solving skills-The course not only increase students' knowledge of the subject, but also improve their analytical skills and problem-solving abilities. The economics theories or laws and quantitative techniques enable students to collect information and do research to determine what is true and what is not. Besides,they shall be able to think independently and use reason and logic in their thinking.

PO8: Develops Research skills and Critical thinking-Develops a holistic knowledge and understanding of basic concepts in economics, identifying the problems and working towards their solutions through various analytical and statistical techniques. It helps to develop critical thinking and research skills among the students.

Program Specific Outcomes

PSO1: Comprehensive Economic Understanding: Demonstrate a comprehensive understanding of economic theories, principles, and laws, and their application to both microeconomic and macroeconomic systems. This includes the ability to analyze economic behavior, market structures, factor pricing, and economic policies.

PSO2: Proficiency in Statistical and Mathematical Tools: Exhibit proficiency in collecting, presenting, analyzing, and interpreting economic data using statistical and mathematical tools. Apply these tools to solve real-world economic problems and hypotheses testing.

PSO3: Application of Economic Policies: Apply economic theories and considerations to comprehend and evaluate various economic policies, including trade policy, fiscal policy, monetary policy, public finance, and budgetary policy. Understand the implications of these policies on resource allocation and income distribution.

PSO4: Econometric Analysis Skills: Gain proficiency in basic and applied econometric techniques and methods used for empirical research in economics. Develop skills for conducting empirical analysis, interpreting results, and making informed economic inferences.

PSO5: Developmental Perspectives: Understand the theoretical and practical aspects of

development economics, including the measurement of development, poverty, inequalities, and issues related to education, health, sanitation, energy, environment, infrastructure, and economic planning.

PSO6: Insight into Indian Economy: Acquire an in-depth insight into the performance and functioning of different sectors of the Indian economy. Understand the historical and contemporary policy frameworks that govern these sectors.

PSO7: Enhanced Analytical and Problem-Solving Skills: Strengthen analytical thinking and problem-solving abilities through the study of economics. Apply economic theories, quantitative techniques, and logical reasoning to critically assess and analyze economic situations and issues.

PSO8: Research and Critical Thinking Abilities: Develop research skills and critical thinking abilities by understanding and identifying economic problems, proposing research methodologies, collecting and analyzing data, and offering well-reasoned solutions. Cultivate independent thinking and logical reasoning.

Course Name Course Code	Course Outcomes
Course Name-Micro Economics –I Course Code-Paper-Maeco-101 Class- Ma Economics (Semester-I)	CO1: Analyze the Economic behaviour of Individuals, Firms and Markets using, in general, a static and partial equilibrium framework CO2: Develop an understanding of the basic theoretical concepts, methodology and process of reasoning of Economics. CO3: Analyse and demonstrate knowledge of the basic theories/laws in Economics- Consumer Choices under Certainty & Uncertainty, Laws of Production & Cost, Theories of Consumer Behaviour. CO4: Evaluate microeconomic concepts, models and its use in real life situations. CO5: To develop an advanced theoretical understanding of decision-making and strategic behaviour of economic agents.
Course Name-Micro	CO1: Understand the various aspects of Market structures , that is,

<p>Economics –II Course Code-Paper- Maeco-201 Class- Ma Economics (Semester-Ii)</p>	<p>Analysis of competitive Markets, Monopoly, Monopolistic competition and Oligopoly. Firms behaviour and the theory of imperfect markets, determination of equilibrium under different market forms.</p> <p>CO2:Determine Markets for factor inputs, factor pricing under perfect competition and imperfect competition. Demand and Supply of labour, wage rate determination and labour exploitation under imperfect competition.</p> <p>CO3:Determine social welfare functions, General equilibrium and efficiency,Externalities and Market failure.</p> <p>CO4: Describe governmental efforts or policy to address market failure such as monopoly power, externalities and public goods. Ability to define Private and Public Goods</p>
<p>Course Name- Econometrics –I Course Code-Paper- Maeco-303 & 304: Option (V) Class- Ma Economics (Semester-Iii)</p>	<p>CO1: Explain core concepts and techniques in econometrics, with a special focus on the classical linear model.</p> <p>CO2: Understand the assumptions upon which different econometric methods are based and their implications.</p> <p>CO3: Use statistical software to implement the various techniques taught employing secondary data and demonstrates ability to analyse and assess empirical results.</p> <p>CO4: Interpret and critically evaluate applied work and econometric findings</p>
<p>Course Name- Econometrics –II Course Code-Paper- Maeco-403 & 404: Option (V) Class- Ma Economics (Semester-Iv)</p>	<p>CO1: Apply appropriate economic concepts to formulate plans of analysis that employ modern econometrics practice.</p> <p>CO2: Apply Morden econometrics methods covering Time series analysis, structural econometrics modelling.</p> <p>CO3:This helps students with basic understanding of the theory of econometrics with the relevant applications of its methods.</p> <p>CO4: It shall equip students to understand application of economic theory using economic relationships and statistical methods. Further, econometrics theory becomes a very powerful tool for understanding of applied economic relationships for meaningful research in economics</p>

BACHLEORS OF COMMERCE

Programme Outcome

PO1:Critical Thinking: Gain knowledge of ideas, principles, theories, laws, and contemporary management practices and looking at the ideas from different perspectives

PO2:Application: Hands on experience in various aspects and application of auditing, costing, financial, entrepreneurship, management skills undertake lawful practices in companies and industry

PO3:Analysis: Apply various statistical and financial tools to analyse and interpret data and find solutions and recommend the same to target groups.

PO4:Individual and Team Work- Learn individual and group behaviour in organization, conflict resolution for the success of organization and develop leadership qualities

PO5:Effective Communication: Acquire communication skills for establishing harmonious relationships, concise and coherent communication, write mails, facilitate meetings, prepare business reports and project presentations.

PO6:Social Awareness- Understand the social responsibility towards the society and address the issues related to education, poverty eradication, gender equality and improvement of social health

PO7:Environment and Sustainability- Responsibility towards use of raw materials, eco-friendly products, environmentally safe distribution and marketing, focus on sustainable practices and methods in business

PO8:Ethics and Human Values- recognize different Ethical and moral values in the organization in favour of stakeholders to inculcate life skills and become a responsible citizen.

PO9:Lifelong Learning- Develop continuous learning skills and practice the knowledge acquired.

Programme specific outcome

After the completion of the three-year programme, students will be able to -

PSO1:The students gain knowledge of accounting, insurance, marketing, finance, human resource management, different laws and can pursue these as profession

PSO2:The students can use cost accounting and auditing skills in their professional field

PSO4:The students attain entrepreneurial skills and can start their own entrepreneurial ventures

PSO5:Acquire and use of business statistical and financial tools to become successful analysts

PSO6:The students can also further explore and excel into the banking and insurance, portfolio management, security analysis and can practice as bank managers, actuaries and market analyst

PSO7:Learn management skills- disaster, time, stress, event, etc.

PSO8:Develop leadership qualities and imbibe ethical behavior for running their organizations successfully

PSO9:Acquire practical learning through summer internship, industrial /field visits and research projects.

Class	Course Outcomes
B.COM (SEM 1) (BCM 101 A) Punjabi	CO 1: The course aims to improvise student's communication skills and vocabulary CO 2: Students were introduced to the different aspects of culture and value system of Punjabi society. CO 3: It enables the students to understand social and cultural aspects of society CO 4: To enable students understand Punjabi Literature and Grammar through practice.
B.COM (SEM 1) (BCM 101 B) History and culture of Punjab from earliest	CO1:Understand the human evaluations like the transformation so occurred right from Indus valley civilization. CO2: Compare and contrast various stages of progress from Indus valley

<p>times to 1849</p>	<p>civilization to Vedic age. Analyze the Jain, Buddhist and Vedic faiths.</p> <p>CO3: Analyze the emergence of the Mauryan and Gupta empires during the “Classical age” in Punjab.</p> <p>Critically examine the nature of monarchic rule and develop a comprehensive understanding of cultural evolution during ancient period.</p> <p>CO4: Develop understanding about the origin and growth of Sikhism and various institutions as well as Bhakti and Sufi movement.</p> <p>Understand martyrdoms of Sikh Gurus and creation of Khalsa organisation. Understand social and cultural conditions of Maharaja Ranjit Singh.</p> <p>CO5: Visualize where places are in relation to one another through map pointing.</p>
<p>B.COM (SEM 1) (BCM 102) English and business communication skills</p>	<p>CO1: Acquire knowledge of literature through one-act play and short stories written by writers from around the world</p> <p>CO2: To analyse these works from the perspective of ethics, moral and human values</p> <p>CO3: Enhance vocabulary with the help of texts</p> <p>CO4: Enhance different aspects of communication in general and business communication in particular</p> <p>CO5: Acquire knowledge of various types of communication within Organizations and methods to improve communication</p> <p>CO6: Learn the art of letter writing, tender notices, auction notices, public notices, memos and advertisements relating to sales/marketing.</p> <p>CO7: Acquire skills related to personal interview and public speaking</p>
<p>B.COM (SEM 1) (BCM 103) Interdisciplinary psychology for managers</p>	<p>CO1: Demonstrate the applicability of the concept of organisational behaviour to understand the behaviour of people in the organisation.</p> <p>CO2: Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the organisation.</p> <p>CO3: Analyse the complexities associated with management of group</p>

	<p>behaviour in the organisation.</p> <p>CO4: Demonstrate how the organisational behaviour can integrate in understanding the motivation behind the behaviour of people in the organisation.</p> <p>CO5: Critically evaluate and analyse various theories and models that contribute in overall understanding of the discipline.</p> <p>CO6: Describe the history, context and utility of different leadership styles and theories.</p> <p>CO7: Understand the human interactions in the organisation and find out what is driving it and how it influences the business outcomes.</p>
<p>B.COM (SEM 1) (BCM 104) Business Economics-I</p>	<p>CO1: Understand and describe the basic concept of economics, analyse the central economic problem, comprehend the complex business situations identify the tools and techniques provided by the economics to solve the problems.</p> <p>CO2: Analyse consumer behaviour and interpret consumer decision making in terms of utility of the product and the consequential demand for the product and services.</p> <p>CO3: Analyse the interrelationship among different types of cost and revenue and decide the best-suited level of production.</p> <p>CO4: Recognise different factors of production, analyse reasons of economies and diseconomies of scale and decide the best-suited level of production.</p> <p>CO5: Describe the features of different types of market and decide the price and output under various market situations</p>
<p>B.COM (SEM 1) (BCM 105) Financial Accounting</p>	<p>CO1: Acquire the basic knowledge of the terms such as, financial statements, branch accounting, stock and debtor system, departmental accounts, Interdepartmental transfer, depreciation.</p> <p>CO2: Understand the need for departmental accounts and basis for allocation of expenses.</p>

	<p>CO: Develop analytical skills in department trading and profit and loss account and balance sheets, stocks and debtor system and final accounts system.</p> <p>CO4: Know and apply accounting and finance theory, understanding of International accounting standards, Critically evaluate financial statement information</p> <p>CO5: Develop the skill of recording financial transactions and preparation of reports in accordance with GAAP</p> <p>CO6: Describe how financial statements are used to analyze a business</p> <p>CO7: Combine practice and theoretical knowledge of financial accounting</p>
<p>B.COM (SEM 1) (BCM106) Commercial Laws</p>	<p>CO1: Comprehend, describe and apply the various types of Contracts under the Contract Act, 1872.</p> <p>CO2: Understand the various essentials of a valid contract in great detail.</p> <p>CO3: Strengthen their understanding about the various ways in which breach of contract takes place and the various remedies regarding the same.</p> <p>CO4: Grasp and increase their understanding about the various special types of contracts i.e. Indemnity and Guarantee, contract of Agency, and Bailment.</p> <p>CO5: Comprehend and appreciate the various provisions of the Consumer Protection Act, 2019.</p> <p>CO6: Able to understand and analyse the various rights of the consumer as per the Consumer Protection Act, 2019.</p> <p>CO7: Able to capture the establishment, powers and jurisdiction (both pecuniary as well as territorial) of the District, State and National consumer commission.</p> <p>CO8: Comprehend the procedure for filing complaint in case of a consumer dispute.</p> <p>CO9: Understand the relevance of the inception of the Right to Information Act, 2005.</p>

	<p>CO10: Capture the various provisions of the Right to Information Act, 2005.</p> <p>CO11: Understand the process of filing an RTI application and the various pre-requisites for the same.</p>
<p>B.COM (SEM 1) (BCM107) Principles and Practices of Management</p>	<p>CO1: To explain the meaning, purpose and importance of various principles and practices of Management.</p> <p>CO2: To comprehend various ongoing issues such as workforce diversity, equality in payments etc.</p> <p>CO3: To understand the importance and use of various management softwares such as Enterprise Resource Planning (ERP) software.</p> <p>CO4: To understand various functions, processes and procedures of Management.</p>
<p>B.COM (SEM II) (BCM 201 A) Punjabi</p>	<p>CO 1 The course strengthens the writing and learning skills of the students</p> <p>CO 2 The assigned texts make students understand the language and Punjabi literature in depth.</p> <p>CO 3 It sharpens the writing skills of the students.</p> <p>CO 4 Students are enabled to understand the situation of general populace during the time of division amongst the country i.e. 1947 and the problems faced by them during rehabilitation.</p>
<p>B.COM (SEM II) (BCM201B) History and culture of Punjab in the colonial and post-independence times</p>	<p>CO1: After completion of the course, student came to know about the reasons which led to establishment of the British rule in the Punjab, Board of administration. Analyze British policy towards education.</p> <p>CO2: The Social evil and the efforts made by the Social reformers to eradicate them since ancient and medieval times.</p> <p>CO3: Understand and develop awareness about political consciousness.</p> <p>CO4: Students came to know the chronology of India's independence struggle and dedication and sacrifices of the Indian national statesmen during Indian Independence struggle. Understand the circumstances leading towards partition and aftermaths.</p> <p>CO5: Visualize where places are in relation to one another through</p>

	map pointing.
B.COM (SEM II) (BCM 202) English and Business Communication	<p>CO1: Acquire knowledge of literature through one-act play and essays written by writers from around the world</p> <p>CO2: To analyse these works from the perspective of humanistic concern and As philosophy of life</p> <p>CO3: Enhance vocabulary with the help of texts</p> <p>CO4: Learn the basics of précis writing</p> <p>CO5: Learn the art of CV writing and report writing</p> <p>CO6: Acquire the knowledge of organisational communication skills like e-mails, fax messages, teleconferencing, audio-visual and aids, power-point presentations as well as effective listening and non-verbal communication</p> <p>CO7: Learn practical skills related to Group Discussion</p>
B.COM (SEM II) (BCM 203) E- Commerce	<p>CO 1: Understand the components of computer</p> <p>CO 2: Provide the knowledge about an overview of ECommerce and E-business</p> <p>CO 3: Describe the consumer oriented E-commerce applications</p> <p>CO 4: Appraise the Electronic Data Interchange and its prerequisites</p> <p>CO 5: Analyze the different types of E-marketing techniques</p>
B.COM (SEM II) (BCM 204) Business Economics-ii	<p>CO1: Identify and explain economic concepts and theories pertaining to macroeconomics and related to the behavior of economic agents, markets, industry and firm structures, legal institutions, social norms, and government policies.</p> <p>CO2: Integrate theoretical knowledge with quantitative and qualitative evidence in order to explain past economic events and to formulate predictions on future ones.</p> <p>CO3: Evaluate the consequences of economic activities and institutions for individual and social welfare.</p> <p>CO4: Define the role of Circular Flow of income and National Income and its</p>

	<p>computation</p> <p>CO5: Understand the tools of monetary and fiscal policy and discuss the role of Government in correcting economic disturbances.</p>
<p>B.COM (SEM II) (BCM205) Corporate Accounting</p>	<p>CO1: Understand the regulatory environment in which the companies are formed and operate, have a solid foundation in accounting and reporting requirements of the Companies Act and relevant Indian Accounting Standards, have a comprehensive understanding of the advanced issues</p> <p>in accounting for assets</p> <p>CO2: Acquire the knowledge in company accounts such as meaning of a company, characteristics of a company, definition of shares, debentures, underwriting and goodwill, types of shares, bonus share, right share and</p> <p>underwriting, liquidation</p> <p>CO3: Understand the accounting treatment in issue of shares at par premium and discount, issues of debenture, managerial remuneration and shares and liquidator's statement of affairs</p> <p>CO4: Develop the application skills to computation of pro-rate allotment, redemption of preference shares, profit and loss account and preparation of balance sheet of companies</p> <p>CO5: Familiarize the analytical skills in corporate accounting, calculation of</p> <p>underwriting commission, redemption of debentures in sinking fund method, valuation of shares and liquidators final statement</p> <p>CO6: Evaluate the techniques for redemption of preference share, deficiency account in liquidation</p> <p>CO7: Explain accounting and reporting requirements of the Corporations Act and relevant Australian Accounting Standards Board (AASB) accounting standards.</p> <p>CO8: Gain confidence in preparation of company accounts in new format and</p> <p>preparation of liquidator's final statement accounting.</p>

B.COM (SEM II) (BCM 206) Commercial Laws	<p>CO1: Grasp the meaning concept, relevance and applicability of the Sales of Goods Act, 1930.</p> <p>CO2: Understand the meaning of Negotiable instruments along with their significance.</p> <p>CO3: Know the various liabilities and rights of the parties to Negotiable instruments.</p> <p>CO4: Comprehend about the dishonoring of negotiable instruments and its consequences.</p> <p>CO5: Understand the significance as well as the various provisions of the Factories Act, 1948.</p> <p>CO6: Grasp the various provisions about safety of workers, employment of women and child labour as per the Factories Act, 1948.</p> <p>CO7: Comprehend the significance and relevance of the Industrial Disputes Act, 1947.</p> <p>CO8: Understand the concept of strikes and lockouts in great detail.</p> <p>CO9: Understand the concept of lay-off and retrenchment in depth.</p>
B.COM (SEM II) (BCM207) Human Resource Management	<p>CO1: To explain the meaning, purpose and importance of Human Resource Management.</p> <p>CO2: To teach various ongoing human resource issues such as workforce diversity, equality in payments etc.</p> <p>CO3: To help students understand the importance and use of various HR softwares such as Human Resource Information System (HRIS).</p> <p>CO4: To facilitate students in understanding various functions, processes and procedures of Human Resource Management.</p>
B.COM (SEM III) (BCM- 301) Interdisciplinary Issues in Indian Commerce	<p>CO1: Enable students to understand students to a new approach to the study of the Indian Economy.</p> <p>CO2: Help the students in analyzing the present status of the Indian Economy.</p> <p>CO3: Rendering the process of integration of the Indian Economy with the world</p> <p>CO4: Notify students with the emerging issues in policies of India's</p>
B.COM (SEM III) (BCM 302) Cost Accounting.	<p>CO1: To explain the purpose of Cost Accounting.</p> <p>CO2: To define the concept of cost, expense, loss & revenue.</p>

	<p>CO3: To explain the relationship between cost & financial Accounting.</p> <p>CO4: To calculate inventory cost according to the inventory valuation techniques.</p> <p>CO5: To prepare cost sheet & various other cost statements.</p>
<p>B.COM (SEM III) (BCM 303) Company Law</p>	<p>CO1: Apply basic legal knowledge related to formation and incorporation of companies.</p> <p>CO2: Communicate effectively the procedure of capital formation in company</p> <p>CO3: Understand the documentation of company like memorandum of association, articles of association and prospectus</p> <p>CO4: Understand the Prospectus and related concepts</p> <p>CO5: To know share capital – Kinds of shares and Dematerialization of Shares</p> <p>CO6: To know the rights and duties of shareholders.</p> <p>CO7: To know the levels of Management and types of Directors</p> <p>CO8: Modes of Winding Up and its process.</p>
<p>B.COM (SEM III) (BCM 304) Business Mathematics and Statistics</p>	<p>CO1: Apply the knowledge of mathematics (matrices and optimization through application of maxima and minima) in solving business problems.</p> <p>CO2: Describe and demonstrate the use of mathematical techniques with emphasis on business applications.</p> <p>CO3: Recognize the importance and value of mathematical thinking, training, and approach to problem solving, on a diverse variety of disciplines.</p> <p>CO4: Recognize and appreciate the connections between theory and applications and understand the important role math plays in all facets of the business world.</p> <p>CO5: Demonstrate mathematical skills required in mathematically intensive areas in commerce such as Finance and Economics.</p> <p>CO6: Have a firm understanding of the basics of statistics and its application to analyze and create an edge for the business.</p>

	<p>CO7: Apply the analytical techniques in business transactions that would help in making effective business decisions.</p> <p>CO8: Understand basic statistical concepts, tabular and graphical presentation of data, measures of central tendency, dispersion, skewness, kurtosis etc. to various business problems.</p> <p>CO9: Understand the strength and direction of linear relationship between variables and to predict the changes in variable due to the other variables.</p> <p>CO10 : Define and learn the concept and applications of index numbers (eg: Consumer Price Index, Real and Nominal - income/wage/ national income) and time series (in forecasting the future production values) in business decision making.</p>
B.COM (SEM III) (BCM 305) Banking and Insurance.	<p>CO1: The students would gain knowledge of Indian Banking system.</p> <p>CO2: The students will become well-versed with the reforms of Banking system.</p> <p>CO3: The students will come to know about emerging trends in Banking.</p> <p>CO4: The students will able to understand different types of Insurance and its mechanism.</p>
B.COM (SEM III) (BCM 306) Goods and Services Tax (GST)	<p>CO1: Understand and Explain various terms of GST</p> <p>CO2: Discuss and Calculate Value of Supply</p> <p>CO3: Discuss formation of various documents like tax invoice, bill of supply etc.</p> <p>CO4: Learn about obtaining Registration under GST Law.</p>
B.COM (SEM IV) (BCM 401) Interdisciplinary Security Analysis and Portfolio Management	<p>CO1: Understand the characteristics of different financial assets such as money market instruments, bonds, and stocks, and how to buy and sell these assets in financial markets.</p> <p>CO2: Understand the benefit of diversification of holding a portfolio of assets, and the importance played by the market portfolio.</p> <p>CO3: Know how to apply different valuation models to evaluate fixed income securities, stocks, and how to use different derivative securities to manage their investment risks.</p>

B.COM (SEM IV) (BCM 402) Advance Accounting	<p>CO1: Understand basic concept of valuation of shares and goodwill</p> <p>CO2: Prepare various accounts under hire Purchase, Investment accounts and Liquidation etc.</p> <p>CO3: Understand the procedure for Liquidation and Insurance Claims</p> <p>CO4: Understand the concept related to corporate sector and service sector like Insurance claims and Bonus issue etc.</p>
B.COM (SEM IV) (BCM 403) Auditing and Secretarial Practice	<p>CO1: Understand the differences between book keeping, accountancy and audit.</p> <p>CO2: Prepare audit report of a business organization</p> <p>CO3: Understand the nature object and importance of investigation in audit.</p> <p>CO3: Verification and Valuation of Assets & Liabilities</p> <p>CO4: Learn Secretarial Practice</p> <p>CO5: Practical Work on Vouching and Audit Report Preparation.</p> <p>CO6: Preparing of Minutes, Motions and Resolutions, Holding of Meetings.</p> <p>CO7: Hold an Annual General Meeting, Extra Ordinary General Meeting</p>
B.COM (SEM IV) (BCM404) Cost Management	<p>CO1: To acquaint the students with various methods of cost determination & tools & techniques of cost control.</p> <p>CO2: To explain the concept of management accounting.</p> <p>CO3: To explain the importance of management accounting for businesses.</p> <p>CO4: To analyse the relationship between cost volume & profit.</p>
B.Com(Sem IV) BC. 405 – Marketing Management	<p>CO1:To examine the strategies for marketing mix decisions in relation to Product, Product Life Cycle, Branding, Positioning, Service Positioning and Pricing.</p> <p>CO2: To evaluate the strategies for marketing decisions in relation to physical distribution, supply chain management, promotion, sales management and personal selling.</p> <p>CO3: To assess the concept of marketing with an emphasis on Marketing</p>

	<p>Information System, Consumer Behaviour, Market Segmentation and Market Targeting.</p> <p>CO4: To study recent trends in online marketing; e- marketing, mobile marketing and social media marketing.</p>
<p>B.COM (SEM IV) (BCM 406) Quantitative Techniques and Methods</p>	<p>CO1: Understand introduction of quantitative techniques (algebra and calculus), and its uses in Business.</p> <p>CO2: Apply probability calculations and normal distribution techniques to calculate probabilities for business scenarios.</p> <p>CO3: Help students understand the basic terminology and formulation of linear programming problem.</p> <p>CO4: Enable students solve linear programming problem to maximize the profit and to minimize the cost.</p> <p>CO5: Understand the applications of linear programming problem in commerce, economics and banking etc.</p> <p>CO6: Enable the understanding of concept of interpolation and extrapolation with the help of binomial expansion method, newton's Method and lagrange's Method.</p> <p>CO7: Learn the difference between interpolation and extrapolation.</p> <p>CO8: Know about the relationship between two variables with the help of correlation analysis.</p> <p>CO9: Learn the computation of correlation with the help of methods- scattered Diagram, Karl Pearson's coefficient of correlation, rank Correlation and concurrent deviation method.</p> <p>CO10 : Use regression analysis to estimate the average relationship between two variables and to use frequency distribution to make decision.</p> <p>CO11: Learn simple linear regression and estimation of parameters (slope and intercept).</p> <p>CO12: Understand the difference between correlation and regression.</p>
<p>B.COM (SEM V) (BCM501) Direct Tax Laws</p>	<p>CO1: Students would identify the technical terms related to Income Tax.</p> <p>CO2: Students would determine the residential status of an individual</p>

	<p>and scope of total income.</p> <p>CO3: Students would compute income from salaries, house property, business/profession, capital gains and income from other sources</p> <p>CO4: Students would discuss the various benefits/ deductions under Chapter VI-A of the Income tax act, 1961.</p> <p>CO5: Students would compute the net total income of an individual</p>
<p>B.COM (SEM V) (BCM 502) Management Accounting</p>	<p>CO1 Explain basic concepts, importance and functions of management accounting.</p> <p>CO2 Analyse vertical financial statements across various time periods to understand the financial health of the enterprise over a period of time.</p> <p>CO3 Calculate various financial ratios to establish qualitative relationship between figures and interpret them for better financial decision making.</p> <p>CO4 Understand cash flow and funds flow statements of the entity to ascertain profitability and liquidity position of the entity.</p> <p>CO5 Understand contemporary issues in accounting like price level accounting helps to ascertain true and fair view of financial statements of the enterprise considering price level changes.</p> <p>CO6 Understand a broad range of financial accounting issues facing Contemporary businesses like Human Resource accounting, Social accounting and Responsibility accounting.</p>
<p>B.COM (SEM V) (BCM 503) Indian Economy</p>	<p>CO1: Develop ideas of the basic characteristics of Indian economy and its potential on natural resources.</p> <p>CO2: Understand the importance, causes and impact of population growth and its distribution, and translate and relate it with economic development.</p> <p>CO3: Gain knowledge of the overall economy, its features, sources of revenue, how the central and state government finance its programmes and projects.</p> <p>CO4: Understand agriculture as the foundation of economic growth and</p>

	<p>development, analyze the progress and changing nature of agricultural sector and its contribution to the economy as a whole.</p> <p>CO5: Grasp the importance of planning undertaken by the government of India, have knowledge on the various objectives, failures and achievements as the foundation of the ongoing economic reforms taken by the government.</p>
<p>B.COM (SEM V) (BCM 504) Production and Operations Management</p>	<p>CO 1: To apply the concept of operations management in manufacturing and service sector and plan and implement production and service- related decisions.</p> <p>CO 2: Define the roles and responsibilities of operations managers and the challenges they face.</p> <p>CO 3: To understand the content of an operations strategy and decisions involved.</p> <p>CO 4: The students can apply the concept of operations management in manufacturing and service sector and be able to plan and implement production and service-related decisions.</p> <p>CO 5: To plan production schedule and plan resources required for production.</p> <p>CO 6: To provide the students the knowledge about the concepts of purchase, stores and inventory management and analyse and evaluate material requirement decisions.</p>
<p>B.COM (SEM V) (BCM 505) Entrepreneurship and Small Business</p>	<p>CO1: Gain understanding of the concepts of Entrepreneurship and various theories</p> <p>CO2: Explore various innovations happening in manufacturing and service sector.</p> <p>CO3: Understand various aspects relating to women entrepreneurs including the role of government in promoting women entrepreneurs.</p> <p>CO4: Understand the relevance of Entrepreneurship development programmes</p>

	<p>CO5: Understanding MSMEs as seed bed of entrepreneurship.</p> <p>CO6: Understand various entrepreneurial aspects as Product planning, Marketing and Logistics management.</p> <p>CO7: Understanding how modern technology can help to scale up small scale business through E-commerce and M-commerce.</p> <p>CO8: Understand Tax considerations, benefits and Exemptions to MSMEs.</p>
<p>B.COM (SEM V) (BCM 506) Financial Markets and Services</p>	<p>CO1: Understand the overall Indian financial system; compare the types of financial markets, financial instruments and financial services, apply the basics of stock markets to analyse the market behaviour of various equities.</p> <p>CO2: Understand;</p> <p>a) The concept and role of capital market, developed capital market, reforms in capital market, regulatory framework of capital market.</p> <p>b) The concept of capital market instruments and innovation in financial instruments.</p> <p>c) Primary capital market scenario in India, primary market intermediaries, activities and methods of raising resources.</p> <p>d) Reforms in secondary market, trading and settlement, listing of securities and stock market index.</p> <p>CO3: Understand the functioning and guidelines of SEBI (Securities and Exchange Board of India), along with role of SEBI in investor protection and functioning of securities market.</p> <p>CO4: a) Students would have a detailed knowledge of the functioning of the money market and will also be able to compare it with capital market.</p> <p>b) Students would understand instruments that are operational in the money market.</p> <p>c) Students would be aware about the contribution that the money market does in the economic stability and development of a country.</p> <p>CO5: Understand the functions and objectives of merchant banking; apply the SEBI guidelines in managing new capital issues namely IPO</p>

	<p>and FPO.</p> <p>CO6: Classify the various types of Mutual Funds, analyze the financial needs of investors in order to choose correct mutual fund.</p> <p>CO7: Understand the role that venture capitalists play in the modern-day business environment</p> <p>CO8: Compare the processes of factoring and forfeiting</p> <p>CO9: Evaluate empirical evidence of the market performance and accordingly the role of regulatory authorities to develop the financial market.</p>
<p>B.COM (SEM VI) (BCM 601) Direct Tax Laws</p>	<p>CO1: To Compute the total income and tax liability of firms and Association of Persons</p> <p>CO 2: To carry out assessment of companies and determine their tax liability</p> <p>CO 3: To make the assessment of co-operative societies and trusts.</p> <p>CO 4: To Understanding about the assessment procedures, TDS and advance payment of tax and application in various situations</p> <p>CO5: To learn tax planning concepts and apply the same</p>
<p>B.COM (SEM VI) (BCM 602) Financial Management</p>	<p>CO1: Describe the effects of decision making of finance manager on shareholders wealth maximization and develop insights and knowledge base of various concepts of finance.</p> <p>CO2: Develop understanding of various techniques such as capital budgeting one of the critical elements of financial decision-making for organisations, including knowledge of long term investment decisions, planning and risk of investment projected with it.</p> <p>CO3: Understanding cost of capital, will help in determining optimal capital structure to maximize the value of the firm.</p> <p>CO4: Develop understanding of choosing appropriate sources of finance, giving due consideration on retaining control and avoiding risks.</p> <p>CO5; Understand financial decision making with regard to working capital management issues and apply the principles and techniques of</p>

	<p>managing working capital or short-term finance of business firms.</p> <p>CO6: Understand the factors that influence a firm's dividend policy and will be able to arrive at the most critical decisions companies need to make: whether to pay dividends and if so, how much.</p>
<p>B.COM (SEM VI) (BCM 603) Issues in Financial Reporting</p>	<p>CO1: Familiarize and understand the International Financial Reporting Standards (IAS or IFRS) and their application to the companies who use them.</p> <p>CO2: Prepare the mandatory financial statements, according to the IFRS.</p> <p>CO3: Describe the setting process in International Financial Reporting Standards (IFRS) and list the currently available standards</p> <p>CO4: Explain the most recent updates on existing IFRS and evaluate the effect of newly issued standards in any organization</p> <p>CO5: Determine the correct presentation and minimum disclosure for components of statements of financial position, statements of comprehensive income, statements of owners' equity and statements of cash flows in accordance with IFRS</p> <p>CO6: Appraise and properly account for transactions affecting current assets and liabilities, non-current assets and liabilities, revenues and expenses in accordance with IFRS</p> <p>CO7: Differentiate between IFRS, Indian Accounting Standards and US GAAP</p> <p>CO8 a) Identify and understand the emerging issues in accounting. b) Examine and develop the procedure for recording the emerging issues in the books of accounts</p> <p>CO9: Explain and apply the emerging trends like Human Resource Accounting, Price Level Accounting, Social Accounting etc. in companies.</p> <p>CO10: Understand the need for common international standards and the role of IASB in harmonisation of divergent accounting practices across nations</p> <p>CO11: Use accounting frameworks to critically analyse current financial</p>

	reporting issues encountered by accountants, auditors, regulators and users of financial information and develop well-supported arguments to inform decision making.
B.COM (SEM VI) (BCM 604) Social and Business Ethics	<p>CO1: Understand the importance of ethics in management and at workplace.</p> <p>CO2: Understand various consequentialist and non consequentialist ethical theories.</p> <p>CO3: Understand various issues concerning whistle blowing including the provisions for protection of whistle blowers in India.</p> <p>CO4: Understand concept, approaches and theories of corporate social responsibility and various CSR initiatives taken by Indian companies</p> <p>CO5: Understand various ethical issues concerning corporate governance and framework of corporate governance in India.</p> <p>CO6: Understand the concept of environmental ethics and the importance of eco-friendly business practices.</p>
B.COM (SEM VI) (BCM 605) Operations Research	<p>CO 1: Understand the methodology of Operations Research problem solving and formulate the linear programming problem.</p> <p>CO 2: Understand the basics in the field of game theory and assignment problems.</p> <p>CO 3: Develop formulation skills in transportation models and finding solutions.</p> <p>CO 4: Gain knowledge of drawing project networks for quantitative analysis of projects.</p> <p>CO 5: Know when simulation and dynamic programming can be applied real world problems.</p>
B.COM (SEM VI) (BCM 606) Sectoral Aspects of Indian Economy	<p>CO1: Acquire the knowledge of Agriculture: Features, Agricultural Productivity and Income</p> <p>CO2: Understand the agricultural Finance and Agricultural Policy</p> <p>CO2: Gain knowledge about Contract Farming, Organic Farming and Corporate Farming.</p> <p>CO3: Become familiar about Industrial Development during the</p>

	<p>Planning Period, Industrial Policy of Govt. of India and national manufacturing policy.</p> <p>CO4: Understand about Services Sector in India: Growth and Contribution of Services in India in Pre and Post Reform Period</p> <p>CO5: Know the Problems of Indian Economy: Poverty, Unemployment, Inflation, Unequal distribution of Income and Wealth</p> <p>CO6: Understand the Inter-State disparities in the Pattern of Development.</p>
--	---

Bachelor of Commerce (Honors)

Programme Outcomes

- PO1: Deep Understanding of Accounting Issues Related to Business
- PO2: Understanding of General Business Functions Impacting Organization
- PO3: Interpersonal and Communication Skills
- PO4: Understanding Ethical, Social Sustainable Business Issues
- PO5: Developing Entrepreneurship Acumen

Programme Specific Outcomes

- After the completion of the three-year Honors programme, students will be able to -
- POS1: Demonstrate Ability to Interpret and Analyze Financial Statements
- POS2: Understanding the Rules and Regulation Laid Down by Accounting Body
- POS3: Demonstrate Ability to Understand Compliance as per Various Enactment
- POS4: Acquiring Conceptual Clarity of Various Functions and Ability to Analyze Various Functional Issues
- POS5: Demonstrating Ability to Evolve Strategies for Business
- POS6: Demonstrate Effectively Oral and Written Communication
- POS7: Demonstrate Ability to work in Groups. Exhibit skills like Empathy, EQ, Managerial and Inter-Personnel Skills
- POS8: Demonstrate understanding of social cues and contexts in social interaction
- POS9: Develop Ethical Practices and Imbibe Values for Better Corporate Governance.
- POS10: Understand Ethical Challenges and Choices in a Business Setting
- POS11: Demonstrate Understanding of Sustainability Related Concerns in Varied Areas

POS12: Understand the Ecosystem of Start up in the Country

POS13: Demonstrate the Ability to Create Business Plans

B.COM (SEM III) (BCH 307) Accounting Theory and Reporting Practices	CO1: Understand the history of accounting, and apply this history when explaining the current standard-setting environment. CO2: Examine the role of the Conceptual Framework in the standardsetting process CO3: Understand and demonstrate how financial reporting choices affect economic decisions of investors, creditors, and others. CO4: Use principles of asset valuation and income determination models to analyse, measure, and interpret accounting events. CO5: Explain the impact of recent legislation, accounting and auditing standards on the future of the accounting profession. CO6: Understand the structure of Accounting Theory CO7: Differentiate between IFRS, Indian Accounting Standards and US GAAP CO8: Understand the role of traditional, modern and regulatory approaches in formulation of accounting policies and standards
B.COM (SEM III) (BCH 308) Development Economics	CO1: The meaning of development-income and capability approach, HDI, international variations in development measures, inter-development trajectories across countries and the dependency theory CO2: Poverty and inequality-axioms, measures and comparison, gender inequality and development, poverty measurements and poverty trap, vicious circle of poverty CO3: Dualism and Dual economy models – surplus labour, disguised unemployment, Sen’s surplus labour model, Lewis model, Ranis-Fei model and Harris-Todaro models of rural-urban migration CO4: Low level equilibrium trap model and critical minimum effort thesis CO5: Development strategies – balanced and unbalanced growth,

	<p>choice of techniques</p> <p>CO6: Political institutions and state – political and economic institutions, democracy, alternative institutional trajectories and economic performance, inter-country differences in state functioning, state ownership, regulation, government failures and corruption – India’s planning for development</p>
<p>B.COM (SEM III) (BCH 309) Advertising & Brand Management</p>	<p>CO1: Understand the nature, role, and importance of brand management and advertising in marketing strategy.</p> <p>CO2: Design and implement advertising strategies in marketing.</p> <p>CO3: Present a general understanding of content, structure, and appeal of advertisements.</p> <p>CO4: Understand ethical challenges related to responsible management of advertising and brand strategy</p> <p>CO5: Formulate and justify brand development decisions.</p> <p>CO6: Evaluate the role of advertising and brand management in organisational context and analyse the relation to other business areas.</p>
<p>B.COM (SEM III) (BCH 310) Bank Management</p>	<p>CO1: Disseminate knowledge among the students inculcate with theoretical structures about banking.</p> <p>CO2: The students will be able to understand the concepts of application of Technology in banking sector.</p> <p>CO3: The students will be able to analyse and prepare financial statement of different types of organisations</p> <p>CO4: The students will be aware of the various amendments in banking structure.</p>
<p>B.COM (SEM IV) (BCH 407) Contemporary Issues in Accounting</p>	<p>CO1: Understand the need for common international standards and the role of IASB in harmonisation of divergent accounting practices across nations.</p> <p>CO2: a) Identify and understand the emerging issues in accounting. b) Examine and develop the procedure for recording the emerging issues in the books of accounts</p> <p>CO3: Appraise theoretical and practical aspects of alternative</p>

	<p>accounting models for profit and capital measurement in times of changing prices</p> <p>CO4: Critically evaluate the objective and development of nonfinancial corporate accounting, reporting and assurance</p> <p>CO5: Critically evaluate the development and contemporary use of financial reporting on climate change and sustainable development issues</p> <p>CO6: Critically evaluate how effectively changes to accounting practice in response to societal changes have met the needs of society.</p> <p>CO7: Explain and apply the emerging trends like Human Resource Accounting, Price Level Accounting, Social Accounting, Forensic Accounting, Segment Reporting, Interim Reporting etc. in companies.</p>
<p>B.COM (SEM IV) (BCM 408) Industrial Economics</p>	<p>CO1: Introduction to current theory and empirical work in Industrial economics.</p> <p>CO2: Explain and analyse the main issues and debates in the field of industrial economics</p> <p>CO3: Describe the workings of different market structures and examining the internal structure of firms</p> <p>CO4: Critically evaluate different policy approaches to industry</p> <p>CO5: Analyse the value and the limitations of existing theory in the area of industry onomics</p> <p>CO6: Explain the economic behaviour of different industries, firms and markets in relation to their output and pricing decisions</p> <p>CO7: Analyse and provide policy recommendations about monopolies, cartels, non- cooperative oligopolies and other forms of imperfect competition</p> <p>CO8: Critically evaluate the relationship between industrial structure and performance and the various approaches to innovation, entrepreneurship and industry policy</p>
<p>B.COM (SEM IV) (BCH 409)</p>	<p>CO1: Discuss the rational for studying consumer behaviour.</p> <p>CO2: Identify and explain factors which influence consumer</p>

Consumer Behaviour	<p>behaviour.</p> <p>CO3: Demonstrate how knowledge of consumer behaviour can be applied to marketing.</p> <p>CO4: Develop communication skills both orally and in written within marketing context.</p> <p>CO5: Develop skill of understanding and analysing consumer information and using it to create consumer- oriented marketing strategies.</p> <p>CO6: Identify consumer decision making process and its application in marketing function.</p>
B.COM (SEM IV) (BCH 410) Bank Legislation	<p>CO1: Learn about the evolution of Banking Laws in India</p> <p>CO2: Acquire knowledge about provisions of Banking Regulation Act, 1949</p> <p>CO3: Learn about the negotiable Instruments Act 188.</p> <p>CO4: Understand the relationship between the banker and the customer, how to apply crossing and endorsement in cheques.</p> <p>CO5: Understand about commercial banks, EXIM banks and their functions.</p> <p>CO6: Learn about the Banking Codes</p> <p>CO7: Know the methods of Grievance Mechanisms</p> <p>CO8: Learn Debts Recovery Tribunals.</p>
B.COM (SEM V) (BCH 507) Strategic Financial Management	<p>CO 1: Understand the limitations of traditional accounting models in our fast changing world.</p> <p>CO 2: Contribute more effectively to corporate strategy by taking a more proactive approach</p> <p>CO 3: Identify the possible strategies capable of maximizing the organization's market value.</p> <p>CO 4: To recognize the current market scenario and upgrade the skills and knowledge of long-term sustainability.</p> <p>CO 5: To realize the contemporary issues related to financial</p>

	<p>management.</p> <p>CO 6: Comprehend issues related to financial management.</p> <p>CO 7: Absorb changing scenario in financial and banking and provide guidance towards choosing a career in banking and finance.</p>
B.COM (SEM V) (BCH 508) Money and Banking	<p>CO1: Understand the meaning and function of money.</p> <p>CO2: Application of the concept of money multiplier</p> <p>CO3: Explain and discuss why people hold money</p> <p>CO4: Understand the working of the monetary policy</p> <p>CO5: Describe the working of commercial banks, cooperative banks, development banks, NBFCs</p> <p>CO6: Understand the role and functioning of RBI</p>
B.COM (SEM V) (BCH 509) Compensation Management	<p>CO1: Demonstrate nature, scope, theories and importance of having a good compensation system in the organization.</p> <p>CO2: Understand in detail various monetary and non – monetary rewards which are the part of organisational compensation plan.</p> <p>CO3: Analyze, integrate, and apply the knowledge to solve compensation related challenges in organizations.</p> <p>CO4: Gain in depth knowledge regarding various job-related concepts such as job evaluation, job description, job enrichment and job rotation.</p> <p>CO5: Illustrate the major components of compensation plan of an organisation.</p> <p>CO6: Learn the compensation related policies, laws and acts in India as well as abroad</p>
B.COM (SEM V) (BCH 510) Electronic Banking and Risk Management	<p>CO1: Understand the banking and finance system in India. Acquaint commercial bank and its product.</p> <p>CO2: Gain knowledge about e-banking services and internet Banking</p> <p>CO3: Understand the Electronic Banking: Traditional Banking Vs EBanking- Facets of E-Banking -E-Banking transactions truncated cheque and electronic cheque</p> <p>CO4: Develop the understanding of the electronic delivery, Automatic Teller Machine (ATM) at home, Electronic Fund Transfer(EFT) uses,</p>

	<p>computerization in clearing houses, Tele banking, Banking on home computers, Electronic Money Transfer and uses of EMT</p> <p>CO5: Familiarize with the need for security and Privacy. Findings on security-Attack-Cybercrimes and encryption process</p> <p>CO6: Gain understanding of the Digital certificate, Digital Signature & Electronic Signature- E-Security solutions</p> <p>CO7: Explain Need of Customer Education and awareness for Digital Products(Cards, ATMs, CDM, Cash Re-cyclers, POS Terminals).</p> <p>CO8: understand Fintech revolution in today's banking. Need for collaboration of FINTECH and BANK. Fintech- a propellar for transformation of Banks.</p>
B.COM (SEM VI) (BCH607) Investment Management	<p>CO1: Demonstrate a basic understanding of investments.</p> <p>CO2: Exhibit the acquaintance of the securities market and its constituents</p> <p>CO3: Apply knowledge gained to perform analysis of various securities</p> <p>CO4: Analyze and apply models to securities performance and forecasting</p> <p>CO5: Construct optimal portfolios and evaluate them using models</p> <p>CO6: Students will know the characteristics of different financial assets such as money market instruments, bonds, and stocks.</p> <p>CO7: To know the market indices and the methods of Computing.</p> <p>CO8: Learn the investment in Alternative Asset Classes</p>
B.COM (SEM VI) (BCH 608) International Economics	<p>CO1: The students can understand the different theories of international trade</p> <p>CO2: Learners can aware about commercial trade policy, tariff and non tariff barriers and international economic integration.</p> <p>CO3: Learners can grasp the knowledge about Balance of payments and international economic organisation.</p> <p>CO4: Learners can acquaint knowledge about foreign exchange market</p>
B.COM (SEM	O1: Describe different approaches to employee training.

VI) (BCH 609) Training & Development	<p>CO2: Describe different approaches to professional development.</p> <p>CO3: Understand the different approaches to performance appraisals.</p> <p>CO4: Understand the need and process of training need analysis.</p> <p>CO5: Understand the process of designing training programme and its evaluation.</p> <p>CO6: Understand various training methods and their applicability in different organisational situations.</p> <p>CO7: Comprehend the tools and techniques of management development.</p>
B.COM (SEM VI) (BCH 610) Bank Marketing	<p>CO1: Acquire the basic knowledge of the terms such as, Bank marketing, market segmentation, Promotion, Place and price strategy</p> <p>CO2: Understand the features of service marketing, marketing strategy, marketing mix, product life cycle, sales promotion, personal selling</p> <p>CO3: Develop application skills in sales promotion and selling and marketing Planning</p> <p>CO4: Develop analytical skills in distinguishing between bank marketing and marketing goods, bank market, problems in pricing the banking services.</p>

MASTERS OF COMMERCE

PROGRAM OUTCOME

PO1: Advanced Knowledge-The program help the graduates to acquired advanced knowledge in various areas of commerce, such as accounting, finance, economics, marketing, management, and more. It also provides a systematic and rigorous learning and exposure to Marketing, Economy, Banking and Finance related disciplines.

PO2:Specialization Proficiency-To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to Financial management and other activities related to business and commerce.

PO3: Unveiling Traditional Foundations and Modern Challenges-To acquaint a

student with conventional as well as contemporary issues in the discipline of Commerce.

PO4: Global Business Perspective-To enable a student well versed in national as well as international trends in accounting, business and commerce.

PO5: Financial Literacy-To facilitate the students for conducting business, accounting and auditing practices, role of regulatory bodies incorporate and financial sectors and in overall financial system.

PO6: Analytical Skills-To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations, Business Environment, Research Methodology and Tax planning.

PO7: Research Skills- Research is often an integral part of M.Com programs. Graduates should be able to conduct independent research, analyze data, and present their findings coherently.

PO8: Entrepreneurial Mindset- Some M.Com programs emphasize entrepreneurship and innovation. Graduates should be prepared to think creatively, identify business opportunities, and develop strategies for launching and growing ventures

PO9: Leadership and Management Skills: If the program includes management courses, graduates should be equipped with fundamental leadership and management skills that are valuable in various organizational settings

PROGRAM SPECIFIC OUTCOME

PSO1: To develop an ability to apply knowledge acquired in problem solving.

PSO2: Ability to work in teams with enhanced interpersonal skills and communication.

PSO3: The students can work in different domains like Accounting, Taxation, HRM, Banking and Marketing.

PSO4: Graduates should be able to work effectively in teams, respecting diverse perspectives and contributing positively to group efforts.

PSO5: The students will stay updated with technological advancements in commerce, including e-commerce, digital marketing, data analytics, and emerging trends that impact business practices.

PSO6: Students will Understand ethical dilemmas in commerce and develop the capacity to make morally sound decisions, considering the impact of choices on stakeholders and society.

Class	Course Outcomes
MCOM(SEM-I) (MC-101)-Managerial Economics	<p>CO1: Analyse the concepts of Micro–Economic theory and their use in business decision making.</p> <p>CO2: Analyse the business problems in a global economic environment.</p> <p>CO3: Understand the Nature, Scope and Significance of Managerial Economics, its Relationship with other Disciplines, Theory of Firm, Nature & Functions of Profit , Tools of Marginal Analysis, Optimization techniques and Game theory.</p> <p>CO4: Understand the concepts of Demand, Elasticity of Demand and its application in Managerial Decision making and Theories of consumer behaviour.</p> <p>CO5: Use the tools of economic theory to explain optimal production and pricing decisions by the firm in each market structure</p> <p>CO6: Analyse the Pricing practices and risk Analysis in Managerial decision making</p> <p>CO7: Design competitive strategies, including price –output decision, product differentiation according to the nature of products and the structures of the markets.</p> <p>CO8: Understand the Technological change and the global market economy,Impact of technological change on productivity, labour and market structure, Industrial innovation and technology and technological environmental forecasting.</p>
MCOM(SEM-I) (MC-	<p>CO1: Understand various quantitative & statistical methods.</p>

<p>102) Quantitative Methods For Business</p>	<p>CO2: Understand data and draw inference from data.</p> <p>CO3: Calculate and interpret statistical values by using statistical tool.</p> <p>CO4: Demonstrate an ability to apply various statistical tools to solve business problem and helps them in decision making statistical tool so solve business problem and helps the making decision making.</p>
<p>MCOM(SEM-I) (MC-103) Modern Accounting Theory and Reporting Practices</p>	<p>CO1: To explain the purpose and importance of Accounting practices globally.</p> <p>CO2: To sensitize the students on various ongoing Accounting issues such as Human Resource Accounting etc.</p> <p>CO3: To help students understand the importance and use of various Accounting softwares such as Enterprise Resource Planning software (ERP).</p> <p>CO4: To facilitate students in understanding various accounting standards globally, regulatory bodies regulating and updating these standards and the concepts of harmonization of standards across the world.</p> <p>CO 5: To understand and comprehend complex accounting and finance concepts such as Equity Accounting, Human Resource Accounting and so on.</p>
<p>MCOM(SEM-I) (MC-104) Organisation Theory and Behaviour</p>	<p>CO1: Demonstrate the applicability of the concept of organisationbehaviour to understand the behaviour of people in the organisation.</p> <p>CO2: Demonstrate how the organisationbehaviour can integrate in understanding the motivation (why) behind behaviour of people in the organisation.</p> <p>CO3: Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the organisation.</p> <p>CO4: Analyse the complexities associated with management of</p>

	<p>group behaviour in the organisation.</p> <p>CO5: Acquire and develop skill to take rational decisions in the process of organisationbehaviour.</p>
<p>MCOM(SEM-I) (MC-105) Marketing Management</p>	<p>CO1: Demonstrate strong conceptual knowledge in the functional area of marketing management.</p> <p>CO2: Identify core concepts of marketing and the role of marketing in business and society</p> <p>CO3: Relate Marketing Mix as a framework for Marketing Decision and understand challenges faced by the marketers of today.</p> <p>CO4: Analyse the concept of the marketing environment, Buyer behaviour, Product Management and demand forecasting in detail.</p> <p>CO5: Demonstrate understanding of various marketing strategies related with pricing,channels and promotion decisions.</p>
<p>MCOM(SEM-I) (MC-106) Management Information System</p>	<p>CO1: Relate the basic concepts and technologies used in the field of management information systems</p> <p>CO2: Compare the processes of developing and implementing information systems.</p> <p>CO3: Outline the role of the ethical, social, and security issues of information systems.</p> <p>CO4: Translate the role of information systems in organizations, the strategic management processes, with the implications for the management.</p> <p>CO5: Apply the understanding of how various information systems like DBMS work</p>

	<p>together to accomplish the information objectives of an organization.</p> <p>CO6: describe the role of information technology and decision support systems in business and record the current issues with those of the firm to solve business problems.</p> <p>CO7: Understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making</p> <p>CO 8 Analyze and synthesize business information and systems to facilitate evaluation of strategic alternatives, Effectively communicate strategic alternatives to facilitate decision making</p>
<p>MCOM(SEM-I) (MC-107) Workshop on IT Applications in Commerce</p>	<p>CO 1 Understand the components of computer applications in commerce</p> <p>CO 2 Provide the knowledge about spreadsheets and their functions</p> <p>CO 3 Build decision models and data analysis through spreadsheets</p> <p>CO 4 Describe data management systems</p> <p>CO 5: know about data warehousing and data mining</p> <p>CO 6 design forms and form queries</p>
<p>MCOM (SEM-II) (MC-201) BUSINESS ENVIRONMENT</p>	<p>CO1: Understand the concepts of Macro – Economics and the Macro Environment in which a Business Organization operates.</p> <p>CO2: Analyse the Macro Economic policies of the government implemented from time to time and assess their impact on business.</p> <p>CO3: Examine business objectives, dynamics of business and environment, various types of business environment and its analysis.</p>

<p>MCOM (SEM-II) (MC-202) RESEARCH METHODOLOGY IN COMMERCE</p>	<p>CO1: understand some basic concepts of research and its methodologies, identify appropriate research topics, select and define appropriate research problem and parameters, prepare a project proposal (to undertake a project), organize and conduct research, write a research report and thesis</p> <p>CO2: Demonstrate the ability to choose methods appropriate to research aims and objectives, Understand the limitations of particular research methods, Develop skills in qualitative and quantitative data analysis and presentation</p> <p>CO3: Develop advanced critical thinking skills, Demonstrate enhanced writing skills</p> <p>CO4: identify and discuss the role and importance of research in the social sciences</p> <p>CO5: identify and discuss the issues and concepts salient to the research process</p> <p>CO6: identify and discuss the concepts and procedures of sampling, data collection, analysis and reporting</p> <p>CO7: describe, compare, and contrast descriptive and inferential statistics</p>
<p>MCOM (SEM-II) (MC-203) FINANCIAL MANAGEMENT AND POLICY</p>	<p>CO1: To explain the purpose, scope and applications of Finance in real life.</p> <p>CO2: To comprehend various complex concepts of Financial Management.</p> <p>CO3: To construct and maintain profitable portfolios and understand various alternative investment opportunities.</p> <p>CO4: To understand various functions, processes and procedures of Financial Management.</p>
<p>MCOM (SEM-II) (MC-204) Production</p>	<p>CO1: Gain competent knowledge on conceptual framework of production management and it's interface with other functions.</p>

<p>and material management</p>	<p>CO2: Demonstrate the purchase procedure adopted by the organizations and concept of negotiation with suppliers.</p> <p>CO3: Understand the importance and methods of factory Location, factory layout and factors influencing the selection of the same.</p> <p>CO4: Get in-depth knowledge on the importance of production planning and control and its significance in organization.</p> <p>CO5: Understand the practical importance of work study and method study methods in detail.</p>
<p>MCOM (SEM-II) (MC-205) Operations Research</p>	<p>CO1: Identify and develop operational research models from the verbal description of the real system.</p> <p>CO2: Understand the mathematical tools that are needed to solve optimisation problems.</p> <p>CO3: Use CPM and PERT techniques, to plan, schedule, and control project activities. Formulate Network models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these Network problems</p> <p>CO4: Construct linear programming models and discuss the solution techniques. Solve linear programming problems using appropriate techniques and optimization solvers, interpret the results obtained.</p> <p>CO5: Select the best strategy on the basis of decision criteria under risk. Select the best strategy on the basis of decision criteria under the uncertainty.</p> <ul style="list-style-type: none"> • Determine the best choice using decision tree. <p>CO6: Simulate different real-life probabilistic situations using Monte Carlo simulation technique.</p> <p>CO7: Understand different queuing situations and find the optimal solutions using models for different situations.</p> <p>CO8: Determine optimal strategy for Minimization of Cost of</p>

	<p>shipping of products from source to Destination/ Maximization of profits of shipping products using various methods, Finding initial basic feasible and optimal solution of the Transportation problems</p> <p>CO9: Optimize the allocation of resources to Demand points in the best possible way using various techniques and minimize the cost or time of completion of number of jobs by number of persons.</p> <p>CO1:0 Model competitive real-world phenomena using concepts from game theory. Analyse pure and mixed strategy games</p>
<p>MCOM (SEM-II) (MC-206) Business Policy and Strategic Management</p>	<p>CO1: Describe major theories, background work, concepts and research output in the field of strategic management.</p> <p>CO2: Demonstrate a clear understanding of the concepts, tools and techniques used by the executives in developing and executing strategies.</p> <p>CO3: Demonstrate effective application of concepts, tools and techniques to practical situations for diagnosing and solving organisational problems.</p> <p>CO4: Analyse the relationship between the global business environment and strategic decisions made by international organisations.</p> <p>CO5: Critically review the core areas of corporate and business level strategy relevant to the international industry including the process content and context of strategy.</p> <p>CO6: Demonstrate an understanding of the importance of in-depth analysis of both the organisations and the external business environment in assisting managers during the formulation of strategy.</p>
<p>MCOM (SEM-III) (</p>	<p>CO1: Identify the necessary characteristics of accurate</p>

<p>MC-301)Business Performance Measurement</p>	<p>performance management tools.</p> <p>CO2: Discuss the options for “what” is evaluated in a performance appraisal</p> <p>CO3: Identify some of the common problems with the performance appraisal process</p> <p>CO4: Discuss the differences between evaluative performance reviews and developmental performance reviews</p> <p>CO5: Compare and contrast various organizational performance management programs and best practices and define attributes of effective performance management systems</p>
<p>MCOM (SEM-III) (MC-302) Tax Planning and Management</p>	<p>CO 1 Learn direct and indirect structure of taxation and acquainted with theoretical and practical knowledge of tax planning and its management</p> <p>CO 2 Understand major and latest provisions of the Indian tax laws and related judicial pronouncements pertaining to corporate enterprises having implications for various aspects of corporate planning with a view to derive maximum possible tax benefits admissible under the law.</p> <p>CO 3 Understand working in corporate sector relating to procedure and management of taxation</p> <p>CO 4 Learn recognised methods of tax planning in reference to different forms of business organisations</p> <p>CO 5: Describe and Implement Specific management decisions like make or buy, own or lease, repair or replace, export vs. local sale, shut down or continue etc. in business organisations.</p> <p>CO 6 Understand the procedure of Goods and Service Tax</p>
<p>MCOM (SEM-III) (MC-303)Integrated Marketing Communication and Brand Equity</p>	<p>CO1: Describe the IMC mix and the IMC planning process.</p> <p>CO2: Examine the role of integrated marketing communications in building brand identity, brand equity.</p> <p>CO3: Construct a marketing communications mix to achieve the communications and</p>

	<p>behavioural objectives of a campaign</p> <p>CO4: Evaluate the communications effects and results of an IMC campaign to determine its success for a variety of brands.</p> <p>CO5: Design a sales promotion campaign</p> <p>CO6: Select the avenues for Public Relations, Publicity and Corporate Advertising for a consumer and a business-to-business product.</p> <p>CO7: Apply IMC concepts in developing a limited promotional campaign that includes message development and media selection for a product or service.</p>
<p>MCOM (SEM-III) (MC-304)Marketing Research</p>	<p>CO1: Understand the process of marketing research & its different processes.</p> <p>CO2: Identify sources of information.</p> <p>CO3: Apply selected research methods.</p> <p>CO4: Analyse and interpret both qualitative and quantitative data.</p> <p>CO5: Conduct &analyse a focus group discussion.</p> <p>CO6: Make simple questionnaire and conduct marketing research.</p> <p>CO7: Make management decisions on the basis of marketing research.</p> <p>CO8: Learn the development of marketing in academic discipline.</p>
<p>MCOM (SEM-III) (MC-309):Strategic Cost Management</p>	<p>CO 1 Understand the various aspects of cost management from strategic perspective</p> <p>CO 2 Provide the knowledge about an overview of Life cycle costing, JIT and theory of constraints, BPR and Benchmarking</p> <p>CO 3 Describe the Activity based costing, linkage analysis and Functional based planning and control</p>

	<p>CO 4 Know about the Zero based Budgeting, Kaizen costing and aspects of budgeting and responsibility centre</p> <p>CO 5: Analyze strategic based performances, Balanced score cards, and understanding productivity measurement and control</p>
<p>MCOM (SEM-III) (MC-310) International Accounting</p>	<p>CO1: International Business focuses on the overview of the unique problems faced by firms engaging in international activities; the importance of understanding the foreign economic, social, political, cultural, and legal environment; the mechanics of importing and exporting; joint venture, franchising, and subsidiaries, international dimensions of management, marketing and accounting, and international financial management.</p> <p>CO2: The concentration will also explore the special problems of multi-national corporations; recent problems of the international economic system, as well as country-risk analysis.</p> <p>CO3: Explain business expansion abroad and key issues related to their operations in other countries.</p> <p>CO4: Compare and contrast cultures and societies globally using socioeconomic and cultural frameworks.</p> <p>CO5: Develop an entry strategy into other markets recognizing the nature of institutions and forces governing the process of globalization.</p>
<p>MCOM (SEM-III) (MC-315) Workshop On Financial Markets And Instruments</p>	<p>CO1: Students would analyze how financial markets and instruments operate and how they can be used to achieve economic objectives</p> <p>CO2: Students would understand and critically engage in profits and risks faced by investors and strategies to control these profits and risks</p>

	<p>CO3: Students would be able to think independently, reflectively and analytically for work in regulating the financial sector, financial institutions or various areas of government</p> <p>CO4: Students would be able to: properly evaluate investment risks; build relationships with various financial institutions and intermediaries; evaluate the investment as a financial asset and use the various tools of the financial market; use strong financial-analytical skills and apply them to solve investment problems</p> <p>CO5: Students would be acquire skills in: basics of legal support in the functioning of the financial market; methods of control over the financial situation of the issuer; skills for using the various tools in the financial market. Capability of an innovative, open and ethical mindset : Capability to evaluate risks of financial decision</p>
<p>MCOM (SEM-IV) (MC-401) Project Planning And Control</p>	<p>CO1: Understand project characteristics and various stages of a project.</p> <p>CO2: Understand the conceptual clarity about project organization and feasibility analyses – Market, Technical, Financial and Economic.</p> <p>CO3: Analyze the learning and understand techniques for Project planning, scheduling and Execution Control.</p> <p>CO4: Apply the risk management plan and analyse the role of stakeholders.</p> <p>CO5: Understand the contract management, Project Procurement, Service level Agreements and productivity.</p> <p>CO6: Understand the How Subcontract Administration and Control are</p>

	practiced in the Industry.
MCOM (SEM-IV) (MC-402) Knowledge Management	<p>CO 1 Understand the types of Knowledge</p> <p>CO 2 Know about the concept of major philosophical schools and management theories</p> <p>CO 3 Describe the knowledge management system and barriers to knowledge sharing</p> <p>CO 4 Get knowledge on knowledge creation and its models</p> <p>CO 5: Analyze knowledge management strategy, architecture and reward system</p>
MCOM (SEM-IV) (MC-403) Business Ethics and Corporate Governance	<p>CO 1 Understand and implement the Concept of ethics, values, virtues and morals in business organisations</p> <p>CO 2 Apply Ethical issues in the field of marketing, purchase, HR, finance and ethical dilemma faced by managers</p> <p>CO 3 Understand internal and external corporate governance framework of companies in India</p> <p>CO 4 Understand recommendations of different committees in the development of concept of corporate governance and various recent legal and regulatory changes</p> <p>CO 5: Learn decision making from actual case studies in the field of business ethics</p>
MCOM (SEM-IV) (MC-404) Advertising and Sales Management	<p>CO 1 Demonstrate a thorough understanding of the world of advertising Including the creative and financial aspects.</p> <p>CO 2 Learn to use sales promotions to push sales and attract buyers.</p> <p>CO 3 Identify the costs and benefits of marketing channels.</p> <p>CO 4 Identify the role of various channels of promotion mix.</p> <p>CO 5: Selecting promotional mix by comparing integrated and non-integrated marketing channels/approaches.</p> <p>CO 6 Demonstrate an understanding of the overall role advertising plays in</p>

	<p>the business world.</p> <p>CO 7 Demonstrate an understanding of advertising strategies and budgets.</p> <p>CO 8 Identify and understand the various advertising media.</p>
<p>MCOM (SEM-IV) (MC-405) Services Marketing</p>	<p>CO1: Understand the Concept of Services and intangible products, distinguish different service types and to comprehend marketing of different services in Indian context</p> <p>CO2: Appraise the nature and development of a services marketing strategy.</p> <p>Develop and justify alternative marketing approaches that can be used by service managers.</p> <p>CO3: To develop abilities to identify services decision problems, ascertain alternatives, define crucial issues, analyse, make decisions and plan the implementation of these decisions.</p> <p>CO4: To employ the basic knowledge on challenges in distribution process. To develop abilities to identify services decision problems, ascertain alternatives, define crucial issues, analyse, make decisions and plan the implementation of these decisions.</p> <p>CO5: Equips the students with the ServQual Gap and e-SerQual gap model analysis and evaluation. To analyse, interpret and solve problems in service recovery. Perform lifelong learning and professional development to enrich the services marketing strategies</p>
<p>MCOM (SEM-IV) (MC-406) Consumer Behavior</p>	<p>CO 1 At the end of the course, the students will be able to able to demonstrate how Consumer behavior can be applied to marketing.</p> <p>CO 2 This course will help the students identify and explain factors which influence consumer behavior.</p> <p>CO 3 At the end of the course, the students will be able to relate</p>

	<p>internal dynamics such as personality, perception, learning, motivation and attitude to the choices made by the consumers.</p> <p>CO 4 The course helps in making appropriate research approaches including sampling, data collection and questionnaire design for specific marketing situations.</p> <p>CO 5: At the end of the course, students will be able to assess and evaluate the internal and external factors through which they will be able to understand consumer behavior.</p> <p>CO 6 The students will be able to apply relevant consumer behavior theories in understanding the impact of marketing strategies.</p> <p>CO 7 The course will help the students to develop critical and reflexive understandings of the nature of consumption, markets and culture.</p> <p>CO 8 At the end of the course, the students will be able to appreciate the complexity of consumer behavior.</p>
--	--

BACHELORS OF COMPUTER SCIENCE AND APPLICATIONS

Program Outcomes

PO1: Preparing students in a range of technological fields including programming, software engineering, database theory, computer applications and networking.

PO2: Understand, analyze and implement computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.

PO3: Ability to select recent computing tools, skills and techniques compulsory for original

software solutions.

PO4: Aptitude to enhance comprehensive understanding of the theory and its application in diverse fields.

PO5: Ability to design complex solutions to meet desired needs within realistic constraints such as safety and security while using different applications.

Program Specific Outcomes

PSO1: Students will be prepared for the potentially rich and career-enhancing sector of computer applications.

PSO2: Continue higher education in the field of Computer Science or Applications.

PSO3: Start their own business in the Indian and international software market.

PSO4: Meet the requirements of the Industrial standards.

PSO5: Ability to engage in independent learning for continuous self-development as a computing professional.

Course Name and Code

Course Outcomes

BCA-1st Semester English(Compulsory) – A
BCA-16-101

CO1: The course enables students to have a broader understanding of literature through prescribed short stories, prose and poetry. The course acquaints the students with the fundamentals of poetry through several point of views through an extensive reading.

CO2: It helps students to sharpen their writing and thinking skills through word formation from the stories and prose thus enabling them to dive deep into assigned texts.

CO3: It equips the students with art of writing letters in a professional space thus enabling them to frame official and business letters.

CO4: Translation, a necessary key for understanding and communicating in different languages in a professional space, enables the students to understand, express and enhance

	<p>their learning and writing skills.</p> <p>CO5: To develop in the learners an appreciation of the subtle nuances of literary expressions.</p>
<p>BCA-1st Semester Fundamentals of Mathematical Statistics BCA-16-102</p>	<p>CO1: Knowledge of fundamental concepts of statistics and learning of practical problems of topics like Mean, Median, Mode, Range and Dispersion.</p> <p>CO2: Determine and analyze the correlation between two or more variables.</p> <p>CO3: Learning of basic concepts and difference between Correlation and Regression.</p> <p>CO4: Formulation of linear regression equations and predicting particular value from given value.</p> <p>CO5: Solution to the problem of standard error of estimation.</p>
<p>BCA-1st Semester Computer Fundamentals and Computing Software BCA-16-103</p>	<p>CO1: Understanding of basic Computer Terminology.</p> <p>CO2: Formulation of opinions about the impact of computers on society.</p> <p>CO3: Acquire a fundamental understanding of hardware peripherals.</p> <p>CO4: Develop interests in using computers for professional work.</p>
<p>BCA-1st Semester Problem Solving Through C BCA-16-104</p>	<p>CO1: Knowledge of basic concepts of C Language like: Arrays, Pointers, File Handling.</p> <p>CO2: Skill to execute real world problems in C language.</p>

	<p>CO3: Skill to debug C programs.</p> <p>CO4: Ability to implement dynamic memory allocation techniques.</p> <p>CO5: Manage I/O operations in C program.</p> <p>CO6: Understanding of functional hierarchical code organization.</p>
<p>BCA-1st Semester Lab based on BCA-16-103 BCA-16-105</p>	<p>CO1: Executing fundamental editing operations, text formatting, copying and moving objects and text.</p> <p>CO2: Learning how to format paragraphs, tables, lists, and pages.</p> <p>CO3: Learning how to insert graphics, images, and a table of contents.</p> <p>CO4: Understanding how to create and use mail merge.</p> <p>CO5: Understanding using the utility of formulas on excel spreadsheet.</p> <p>CO6: Apply filters, sorting, validation lists, and data names and ranges to data manipulation.</p> <p>CO7: Developing charts and graphs.</p> <p>CO8: Understanding how to change presentation themes.</p> <p>CO9: Incorporating animation and media clips in a presentation.</p> <p>CO10: Design slideshows with text, images, and transitions.</p> <p>CO11: Utilize Master Slides to easily edit your presentation.</p>

<p>BCA-1st Semester Lab based on BCA-16-104 BCA-16-106</p>	<p>CO1: Read, understand and trace the execution of programs written in C language.</p> <p>CO2: Write the C code for a given algorithm.</p> <p>CO3: Implement Programs with arrays, pointers, functions, structure, union etc.</p> <p>CO4: Implementation of String and File Handling Functions.</p> <p>CO5: Implementation of C programs to make real applications.</p>
<p>BCA-2nd Semester</p>	
<p>English(Compulsory) – B BCA-16-201</p>	<p>CO1: The course aims to enhance understanding of students towards various themes of literature through prescribed short stories, prose and poetry.</p> <p>CO2: To build more effective written communication through transformation, use of textual words and idioms in sentences.</p> <p>CO3: To develop the student's ability to use English language accurately and effectively by enhancing their writing skills through Paragraph writing.</p> <p>CO4: To equip student with enough skills and vocabulary which enables them to translate from native languages such as Hindi/Punjabi to foreign language, English, thus improving the learners' use of language as a means of subjective expression.</p> <p>CO5: To improve the critical and analytic skills of the students through the reading of the texts prescribed in the syllabus.</p>
<p>Computer Organization BCA-16-202</p>	<p>CO1: Representation of information, conversion of number systems, and Boolean algebra.</p>

	<p>CO2: Explain the organization of basic computer and its design.</p> <p>CO3: Basic building blocks, Combinational Logic design, Microinstructions and Instruction Cycle.</p> <p>CO4: Understanding of Memory Organization.</p> <p>CO5: Basic understanding of Instruction set and addressing modes.</p> <p>CO6: Describe the architecture, bus structure and memory organization of 8085 Microprocessor.</p> <p>CO7: Design structured, well-commented, understandable assembly language programs.</p>
<p>Fundamentals of Web Programming BCA-16-203</p>	<p>CO1: Describe the concepts of World Wide Web and the requirements of effective web design.</p> <p>CO2: Develop web pages using the HTML and CSS features with different layouts as per need of applications.</p> <p>CO3: Use of JavaScript to develop the dynamic web pages</p>
<p>Object Oriented Programming using C++ BCA-16-204</p>	<p>CO1: Described the concepts of Object Oriented Programming with the knowledge of classes, streams, functions, polymorphism.</p> <p>CO2: Understanding of Dynamic memory allocation techniques.</p> <p>CO3: Simulate the problem in the subjects like operating system, computer networks and real world problems.</p>
<p>Lab Based on BCA-16-203 BCA-16-205</p>	<p>CO1: Support the development of web pages.</p>

	<p>CO2: Write scripts and effectively incorporate JavaScript in a web page.</p> <p>CO3: Create forms and check for data accuracy.</p> <p>CO4: Use of JavaScript system objects.</p> <p>CO5: Embed objects in a web page.</p> <p>CO6: Effectively use decision and looping statements in JavaScript programs.</p> <p>CO7: Effectively manipulate strings and use of array processing.</p>
<p>Lab based on BCA-16-204 BCA-16-206</p>	<p>CO1: Implementation of classes, objects, constructors, functions, inheritance in C++ Editor.</p> <p>CO2: Small projects based on the concepts of polymorphism, overloading etc.</p> <p>CO3: Implementation of real world problems in C++.</p>
<p>BCA-3rd Semester</p>	
<p>Punjabi-A BCA-16-301</p>	<p>CO1: The prescribed short stories and poetry enables the students to understand the different themes related to social, economic, political, religious aspects of the society.</p> <p>CO2: Students are introduced to the Phonetics of Punjabi phonemes.</p>
<p>History Culture and Punjab-A BCA-16-302</p>	<p>CO1: Understand the human evaluations like the transformations occurred right from Indus valley civilization.</p> <p>CO2: Compare and contrast various stages of progress from Indus valley civilization to Vedic age. Analyze the Jain, Buddhist and Vedic faiths.</p>

	<p>CO3: Analyze the emergence of the Mauryan and Gupta empires during the “Classical age” in Punjab. Critically examine the nature of monarchic rule and develop a comprehensive understanding of cultural evolution during ancient period.</p> <p>CO4: Develop understanding about the origin and growth of Sikhism and various institutions as well as Bhakti and Sufi movement. Understand martyrdoms of Sikh Gurus and creation of Khalsa organisation. Understand social and cultural conditions of Maharaja Ranjit Singh.</p> <p>CO5: Visualize where places are in relation to one another through map pointing.</p>
<p>Information System Design and Implementation</p> <p>BCA-16-303</p>	<p>CO1: To impart the knowledge and importance of Information System and its aspects.</p> <p>CO2: Students will be able to analyze and design information systems.</p> <p>CO3: Will be able to do System Planning and the Initial Investigation and feasibility study.</p> <p>CO4. Students will understand the importance of Testing and how to prepare Test plans.</p> <p>CO5. Basic understanding of the concept of Quality Assurance.</p>
<p>Computer Oriented Numerical Methods</p> <p>BCA-16-304</p>	<p>CO1: To develop the basic concepts in students for solving various Numerical Methods using Computers.</p> <p>CO2: To enable students to solve various Scientific and Engineering fields’ problems through programs in ‘C’.</p>

	<p>CO3: To learn algorithms to find Solutions to Non-Linear equations using various methods and comparing the methods on the basis of their rate of convergence.</p> <p>CO4: To develop a basic understanding of various methods to solve the system of linear equations and the implementation of the same in 'C'.</p> <p>CO4: To learn various methods of Interpolation and understand their algorithms for implementation in 'C'.</p> <p>CO5: To learn how to solve Integration problems using various methods and their implementation in 'C'.</p> <p>CO6: To find the solution of simple Differential equations using various methods and the implementation of the same in 'C'.</p> <p>CO7: To understand the basic concept of 'Taylor Series' and solve various Mathematical problems using 'Taylor Series'.</p>
<p>Data Structures BCA-16-305</p>	<p>CO1: Understand the concept of Dynamic memory management, Data types, Algorithms, Big O notation.</p> <p>CO2: Understanding of basic data structures such as Arrays, Linked lists, Stacks, Queues, Trees and Graphs.</p> <p>CO3: Analysis of complexity of different Algorithms.</p> <p>CO4: Apply algorithms for solving problems like sorting, searching, insertion and deletion of data.</p> <p>CO5: Use of appropriate data structure to</p>

	solve particular real world problems.
Lab based on BCA-16-304 BCA-16-306	<p>CO1: To demonstrate working of various numerical methods using C Programming.</p> <p>CO2: To impart knowledge of various statistical techniques using C Programming.</p> <p>CO3: To develop students' understanding through laboratory activities to solve problems related to above stated concepts.</p>
Lab based on BCA-16-305 BCA-16-307	<p>CO1: Implementation of algorithms of different data structures using C language.</p> <p>CO2: Implementation of menu based small projects of Data structure.</p> <p>CO3: To develop students' understanding through laboratory activities to solve problems related to data structures.</p>
BCA-4th Semester	
Punjabi-B BCA-16-401	<p>CO1: The course equips the students with understanding of literature, grammar and language in general.</p> <p>CO2: It enables the students to explore various aspects of the literature and enhance the writing skills.</p>

<p>History and Culture of Punjab-B BCA-16-402</p>	<p>CO1: After completion of the course, student came to know about the reasons which led to establishment of the British rule in the Punjab, Board of administration. Analyze British policy towards education.</p> <p>CO2: The Social evils and the efforts made by the Social reformers to eradicate them since ancient and medieval times.</p> <p>CO3: Understand and develop awareness about political consciousness.</p> <p>CO4: Students came to know the chronology of India's independence struggle and dedications and scarifies of the India national statesmen during Indian Independence struggle. Understand the circumstances leading towards partition and aftermaths.</p> <p>CO5: Visualize where places are in relation to one another through map pointing.</p>
<p>Software Project Management BCA16-403</p>	<p>CO1: Understand the conventional and evolution of software.</p> <p>CO2: Straighten out the process of managing a software from conventional to modern.</p> <p>CO3: Assess the process flow and architecture of a model-based programme.</p> <p>CO4: Explain process management, automation, and its differentiators.</p> <p>CO5: Review the economics for the next generation software.</p>
<p>Operating System Concepts and Linux BCA-16-404</p>	<p>CO1: Understanding the components, types and working of Operating System.</p> <p>CO2: Evaluate the effectiveness of various scheduling algorithms as well as the rules for concurrency and deadlock management.</p>

	<p>CO3: Demonstrate the system calls for file and process management.</p> <p>CO4: Understanding of various memory management algorithms</p> <p>CO5: Understanding various Linux commands for memory management, file management and directory management.</p>
<p>BCA-16-405 Database Management System</p>	<p>CO1: Understanding of the architecture and operations of databases, data principles and management systems.</p> <p>CO2: Designing with entity relationships and creating a strong database design using normalization techniques.</p> <p>CO3: Recognize the applications of structured query language, its syntax, transactions, database recovery, and query optimization methods.</p>
<p>Lab based on BCA-16-404 BCA-16-406</p>	<p>CO1: Ability to comprehend Linux fundamental commands.</p> <p>CO2: Understanding to create and manage file systems and directories.</p> <p>CO3: Ability to use vi editor for editing files.</p> <p>CO4: Designing both foreground and background processes.</p>
<p>Lab based on BCA-16-405 BCA-16-407</p>	<p>CO1: Implementation of SQL commands.</p> <p>CO2: Building SQL queries to create a database.</p> <p>CO3: Learning of Exception handling techniques.</p> <p>CO4: Classification of Views, Cursors, triggers and Procedures.</p> <p>CO5: Creation of real time applications using SQL commands.</p>

BCA-5th Semester

**Computer Networks
BCA-16-501**

CO1: Be able to understand the basics of computer networks, their types, and topologies.

CO2: To understand the details of network architecture including OSI and TCP/IP reference models.

CO3: To understand various modes of transmission in detail including guided and unguided transmission media with practical examples in use.

CO4: Describe data link protocols, multi-channel access protocols, and IEEE 802 standards for LAN.

CO5: Describe routing and congestion control algorithms in Network Layer and develop a basic understanding of IPV4 and IPV6 addressing schemes.

CO6: To understand various applications of computer networks including details of Mailing and other Application Layer protocols such as FTP, HTTP, Telnet, DNS.

**Discrete Mathematical Structure
BCA-16-502**

CO1: Get the ability to use Venn Diagrams in real life problems.

CO2: Demonstrate the ability to write and evaluate a proof or outline the basic structure of and give examples of each proof technique described.

CO3: Understand the basic principles of sets and operations in sets.

CO4: Prove basic set equalities.

CO5: Get the idea of Graph theory.

CO6: Demonstrate an understanding of relations and functions and be able to determine their properties.

	<p>CO7: Determine when a function is 1-1 and "onto".</p> <p>CO8: Demonstrate different traversal methods for trees and graphs.</p> <p>CO9: Model problems in Computer Science using graphs and trees.</p>
Java Programming BCA-16-503	<p>CO1: Use the syntax and semantics of java programming language and basic concepts of OOP.</p> <p>CO2: Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.</p> <p>CO3: Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.</p> <p>CO4: Understanding the concept of applets and JDBC.</p> <p>CO5: Design event driven GUI and web related applications which mimic the real word scenarios.</p>
Web Application Development using PHP BCA-16-504	<p>CO1: Understanding of server-side programming.</p> <p>CO2: Analyze PHP scripts and determine their behavior.</p> <p>CO3: Construction of PHP scripts to create dynamic web content.</p> <p>CO4: Ability to receive and process form submission data.</p> <p>CO5: Read and process data in a MySQL database.</p>
BCA-16-505 Lab based on BCA-16-503	<p>CO1: Implementation of basic concepts using Java programming environment.</p> <p>CO2: Solving real world problems using java collection framework.</p>

	<p>CO2: Connectivity of Java programming with My SQL using JDBC techniques.</p> <p>CO3: Designing of forms using AWT packages.</p> <p>CO4: Handling errors and exceptions.</p>
BCA-16-506 Lab based on BCA-16-504	<p>CO1: Development of programs using control statements.</p> <p>CO2: Perform operation based on arrays and graphics.</p> <p>CO3: Use of form controls with validation to collect user's input.</p> <p>CO4: Perform database operations on PHP.</p>
BCA-6th Semester	
E-Commerce BCA-16-601	<p>CO1: Be able to learn the basic concepts of e-business and e-commerce.</p> <p>CO2: Understanding of the basic concepts of website creation, registration of domain name and website hosting.</p>
Application Development using VB.Net BCA-16-602	<p>CO1: Use Visual Studio IDE to design applications.</p> <p>CO2: Develop GUI Application using Form Controls and its events.</p> <p>CO3: Apply Object Oriented concepts in GUI Application.</p> <p>CO4: Use of data access controls to store data in Database and retrieve it.</p> <p>CO5: Use Data binding in GUI Application.</p>
Computer Graphics and Multimedia Applications BCA-16-603	<p>CO1: Detailed knowledge of Computer Graphics and Multimedia Applications in the Real World, Training and Education, Image Processing, in home and office.</p>

	<p>CO2: Understanding of various commands in 'C' to develop Computer Graphics programs and applications Using 'C'.</p> <p>CO3: Understanding of the basic working of AutoCAD including commands for line drawing, circle drawing, polygon drawing, transformation of objects, scaling, viewing, and curve designing and modeling algorithms.</p> <p>CO4: Learnt the features and various tools of Photoshop.</p> <p>CO5: Gain knowledge of the features and basics of Macro Media Director to create simple animations.</p>
<p>Lab based on BCA-16-603 BCA-16-604</p>	<p>CO1: Development of Computer Graphics programs and applications Using 'C'.</p> <p>CO2: Implementation of line drawing, circle drawing, polygon drawing, transformation of objects, scaling, viewing, and curve designing and modeling algorithm using Auto CAD.</p> <p>CO3: To learn and perform various photo-editing operations, to add special effects and to learn how to make Birthday cards, Invitations, Photo collages etc. using PhotoShop.</p> <p>CO4: Creation of Animations using Macro Media Director.</p>
<p>Major Project and Seminar BCA-16-605</p>	<p>CO1: Implementation of project on real world problems.</p> <p>CO2: Proper time planning for the project.</p> <p>CO3: Effective trouble-shooting of the project.</p> <p>CO4: Demonstrate a thorough and systematic understanding of project contents.</p>

BACHELORS OF SCIENCE (NON-MEDICAL)

Program Outcomes

PO1: Life-long learning and enhancing intellectual skills.

PO2: Problem analysis and technology usage.

PO3: Environment ethics.

PO4: Inculcating oral and written communication skills.

PO5: Competency and comprehensive knowledge to qualify competitive examinations conducted by PPSC/UPSC/SSC.

PO 6: Attend higher-level degree programmes in the area.

Program Specific Outcomes

PO1: Develop understanding of major concepts in all disciplines of chemistry like Inorganic, Organic, Physical chemistry and Analytical chemistry.

PO2: Gain proficiency in logical deduction skills through written problems and laboratory work.

PO3: Explore modern research in chemistry and physics which can lead to technologies that aim to benefit the environment, conserve and produce energy and hence improve human life.

PO4: Learn how to use the proper tools and techniques to tackle both simple and complex problems in the fundamental mathematical disciplines.

PO5: Develop the skill of qualitative and quantitative analysis of compounds for industrial applications in pharmaceutical, chemical and agrochemical sectors.

Physics-1st Semester

Course Name and Code	Course Outcomes
Paper A: Mechanics-I (Code-0046)	CO1: Gain basic understanding of Cartesian and spherical polar co-ordinates systems. CO2: Learn regarding various forces in nature and Space time

	<p>symmetries.</p> <p>CO3: Detailed knowledge of Centre of mass of system of particles, Motion under central forces, and Kepler's laws.</p> <p>CO4: In-depth understanding of different types of collision such as Elastic and Inelastic collisions in Lab and C.M. systems.</p> <p>CO5: Analyse Rutherford Scattering and overview regarding differential scattering cross-section.</p>
<p>Paper B: Vibrations, Waves & E.M. Theory-I (Code-0047)</p>	<p>CO1: Understand and learn about characteristics of simple harmonic motion and its differential equation.</p> <p>CO2: Learn about damped mechanical and electrical harmonic oscillators.</p> <p>CO3: Gain knowledge about forced mechanical and electrical harmonic oscillator.</p> <p>CO4: Study Various parameters in different types of oscillators such as quality factor, logarithmic decrement, amplification factor and bandwidth.</p>
<p>Paper C: Electricity And Magnetism-I (Code-0048)</p>	<p>CO1: Enhance knowledge regarding the basic ideas of Vector Calculus</p> <p>CO2: Learn about physical significance of Gradient, Divergence, Curl in cartesian coordinates.</p> <p>CO3: Understand the applications of vector calculus as Gauss's Divergence theorem, Green's theorem and Stokes theorem.</p> <p>CO4: Study in-depth about electrostatics and laws governing the charge distribution.</p> <p>CO5: Describe Polarization, bound charges and boundary conditions.</p>
<p>Laboratory Practicals:</p>	<p>CO6: Perform precise measurements of diameter, length, time and thickness.</p>

	<p>CO7: Understand the concept of moment of inertia by using different geometrical shapes.</p> <p>CO8: Learn the concept of acceleration due to gravity using different types of pendulums such as compound pendulum and Kater's pendulum.</p>
Physics -2nd Semester	
Paper A: Mechanics-Ii (Code-0148)	<p>CO1: Develop intrinsic interest in the study of motion of objects in different frames of references.</p> <p>CO2: Gain in-depth knowledge regarding Motion of Rigid Body, Euler's equations.</p> <p>CO3: Learn about stationary universal frame and ether using Michelson Morley experiment.</p> <p>CO4: Understand special theory of relativity and its applications such as length contraction, time dilation etc. with detailed study of mass-energy equivalence and Doppler effect.</p> <p>.</p>
Paper B: Vibrations, Waves & E.M. Theory-Ii (Code-0149)	<p>CO1: Understand and learn about wave equation and its solution.</p> <p>CO2: Learn about transverse waves on a string and characteristic impedance.</p> <p>CO3: Understand the physical meaning of Maxwell's equations.</p> <p>CO4: Study and understand electromagnetic waves in conducting medium.</p>
Paper C: Electricity And Magnetism-Ii (Code-0150)	<p>CO1: Understand the concept of magnetic field using Biot-Savart and Ampere Laws.</p> <p>CO2: Learn and Understand vector potential, Faraday's law and displacement current.</p> <p>CO3: Demonstrate self and mutual inductance in solenoid.</p> <p>CO4: Understand the behaviour of different substances in</p>

	magnetic field.
Laboratory practicals:	<p>CO1: Understand and learn about elastic constants and related quantities.</p> <p>CO2: To have the knowledge of electric circuits using inductor, capacitor and resistor and study its impedance behaviour.</p> <p>CO3: Demonstrate the use of Carey Fosters Bridge, De-Sauty's Bridge and Anderson Bridge.</p>
Physics-3rd Semester	
Paper A: Statistical Physics And Thermodynamics-I (Code-0247)	<p>CO1: Learn the basic ideas of Statistical Physics.</p> <p>CO2: Understand the relation between microscopic, macroscopic and thermodynamic probability and the effect of constraints.</p> <p>CO3: Learn the equilibrium dynamic system and distribution of n particles in different compartments and cells.</p> <p>CO4: Study the basic concept of phase space.</p> <p>CO5: Understand the basic approach and compare three statistics: MB statistics, BE statistics and FD statistics.</p>
Paper: B Optics And Laser-I (Code-0248)	<p>CO1: Understand the phenomena of interference and related theorems.</p> <p>CO2: Learn the different events like reflection, refraction, interference, diffraction etc. and their applications.</p> <p>CO3: Understand the intensity distribution of light in different optical instruments like Michelson Morley experiment, Young double slit's experiment and Fresnel biprism.</p> <p>CO4: Learn the resolving power of telescope, microscope and prism.</p> <p>CO5: Understand the concept of polarization of light.</p>

<p>Paper C: Quantum Mechanics-I (Code-0249)</p>	<p>CO1: Understand the behaviour of matter and energy at atomic and subatomic level.</p> <p>CO2: Detailed knowledge about the origins of quantum mechanics, fundamental postulates of quantum mechanics, Eigen values and Eigen functions and operator formalism.</p> <p>CO3: Learn about Planck's Formula of Black Body radiation and its applications.</p> <p>CO4: Develop the idea of Wave-particle duality of matter and understanding of various effects such as Photoelectric effect, X-ray diffraction, Compton effect, Pair production.</p> <p>CO5: In-depth understanding of Schrodinger equation and its various applications such as Particle in a Box, Step Potential and Harmonic Oscillator.</p>
<p>Laboratory Practicals:</p>	<p>CO6: Identify and learn optical components and systems.</p> <p>CO7: Identify and understand the use of different models for light.</p> <p>CO8: Ability to learn and operate some important types of optical instruments.</p>
<p>Physics -4th Semester</p>	
<p>Paper A: Statistical Physics And Thermodynamics-Ii (Code-0347)</p>	<p>CO1: Understand the definition of Entropy, reversible and irreversible processes and law of increase of entropy.</p> <p>CO2: Learn the significance of first and second law of thermodynamics and efficiency of Carnot heat engine.</p> <p>CO3: Understand the significance of Maxwell's thermodynamical relations and applications.</p> <p>CO4: Learn to evaluate entropy for different reversible and irreversible processes.</p> <p>CO5: Grasp the idea of Joule Thomson effect for liquification of Helium.</p>

	.
Paper: B Optics And Laser-Ii (Code-0348)	<p>CO1: Understand the Laser fundamentals, types of lasers and their working.</p> <p>CO2: Learn the interaction of light with matter and know the kinetics of qualitative account of Doppler, natural and collision broadening.</p> <p>CO3: Learn the mechanism of lasing action, components of laser and optical cavity.</p> <p>CO4: Understand the basics of optical fibre, their construction and applications.</p> <p>CO5: Get insight of optical fibre-based communication systems.</p>
Paper C: Quantum Mechanics-Ii (Code-0349)	<p>CO1: Knowledge of Electron angular Momentum, Larmor's frequency, electron spin angular momentum spin angular momentum, spin-orbit coupling, Stern-Gerlach experiment, Exclusive Principle.</p> <p>CO2: Detailed study of Radiative transitions, spectrum of Hydrogen atom, Degeneracy of H-atom energy levels, fine structure.</p> <p>CO3: Understanding the Symmetric and Antisymmetric wave functions and Many electron atoms.</p> <p>CO4: Understand the different types of Spectra such as rotational, vibrational, rotational-vibrational and electronic spectra of molecules.</p> <p>CO5: Learn the Hyperfine structure, examples of one electron systems, Anomalous Zeeman effect, Paschen-Back effect and Stark effect.</p>
Laboratory Practicals:	<p>CO6: Study and determine the refractive index of prism and resolving power of telescope.</p> <p>CO7: Understand and learn the basics of Planck's constant using</p>

	<p>photocell.</p> <p>CO8:Determine the wavelength of different models for light using plane transmission grating.</p>
Physics-5th Semester	
Paper A: Condensed Matter Physics – I (Code-0448)	<p>CO1:Understand the basics of crystalline solids.</p> <p>CO2:Gain the insights of reciprocal lattice.</p> <p>CO3:Understand the concept of free electron theory of metals.</p> <p>CO4:Enhance the knowledge of band theory of solids.</p> <p>CO5:Differentiate between metals, semiconductors and insulators.</p>
Paper B: Electronics And Solid-State Devices – I (Code-044)	<p>CO1: In-depth knowledge regarding the current and voltage sources and their applications as Thevenin’s theorem, Norton’s theorem.</p> <p>CO2: Understands the basics, construction, principle and working of CRO and its various applications.</p> <p>CO3: Detailed study of semiconductors and various devices like p-n junction and Zener diode and their interpretation with the help of energy level diagrams.</p> <p>CO4: Knowledge regarding the structure and working of Bipolar Junction Transistor and its various forms such as Common Emitter, Common Base, Common Collector with their characteristic studies and their applications as amplifiers.</p> <p>CO5: Gain in sight about h-parameters through analysis of CE amplifiers.</p>
Paper C: Nuclear & Particle Physics – I (Code-0450)	<p>CO1: Detailed description of General Properties of nuclei both qualitatively and quantitatively.</p> <p>CO2: Learn about the nature of nuclear forces using meson theory.</p>

	<p>CO3: Acquire detailed knowledge about the features and applications of Liquid Drop Model and Shell model.</p> <p>CO4: Describe detailed knowledge about radioactivity and differentiate between its various modes.</p> <p>CO5: Classify nuclear reactions and associated theoretical concepts.</p>
Laboratory Practicals:	<p>CO5: Develop interest among the students in the area of scientific and technical lab works.</p> <p>CO6: Measurement of reverse saturation current in p-n junction diode at various temperatures and to find the approximate value of energy gap.</p> <p>CO7: Gain insight into the forward and reverse characteristics of a p-n junction diode</p> <p>CO8: Study of characteristics of a thermistor and find its parameters.</p>
Physics-6th Semester	
Paper A: Condensed Matter Physics – II (Code-0544)	<p>CO1: Understand the basics of lattice and specific heat of solids.</p> <p>CO2: Gain insights of magnetic phenomena in solids.</p> <p>CO3: Gain the knowledge of superconductivity phenomenon.</p> <p>CO4: Enhance the knowledge of liquid crystals and their applications.</p> <p>CO5: Gain insights of fast emerging field of nanotechnology.</p>
Paper B: Electronics And Solid-State Devices – II (Code-05)	<p>CO1: Acquire the detailed knowledge regarding the structure, working and characteristics of JFET and MOSFET.</p> <p>CO2: Understand about various types of oscillators and feedback in amplifiers.</p> <p>CO3: Enhance the knowledge regarding characteristics and</p>

	<p>applications of operational amplifiers.</p> <p>CO4: Convert binary and decimal numbers and also simplification of logic circuits using Boolean algebra and various logic circuits.</p> <p>CO5: Gain knowledge about analog and digital communication system and modulation-demodulation.</p>
<p>Paper C: Nuclear & Particle Physics – II (Code-0546)</p>	<p>CO1: Gain insight about the different types of nuclear radiations and their interactions.</p> <p>CO2: Analyse the various factors responsible for energy loss mechanism.</p> <p>CO3: In-depth knowledge regarding various radiation detectors such as Gas-filled detectors, Semiconductor detectors and Scintillation detectors. These studies include their principle, construction and working.</p> <p>CO4: Understand the basics of Elementary particles and details regarding their lifetimes, parity, hypercharge and many more important properties.</p> <p>CO5: Learn the role of symmetry and conservation laws and describe Quark model.</p> <p>CO6: Enhance the knowledge regarding working of various particle accelerators and Accelerator facilities available in India.</p>
<p>Laboratory Practicals:</p>	<p>CO7: Study of input and output characteristics of Common Emitter and Common Base of a transistor (pnp or npn).</p> <p>CO8: In-depth study of output and mutual characteristics of an FET and determine its parameters.</p> <p>CO9: Draw and study the Plateau region of GM counter.</p>
<p>Chemistry -1st Semester</p>	

Course Name And Code	Course Outcomes
Paper A: Inorganic Chemistry (Code-0049)	<p>CO1: Understand the elementary quantum mechanics in terms of Schrodinger wave equation of Hydrogen atom and set of quantum numbers for atomic structure determination.</p> <p>CO2: Understand the general properties and trend of periodic table specifically for s-block and noble gases along with understanding of inclusion compounds involving crown ether, cryptates and clathrates</p> <p>CO3: Learn the chemical bonding on the basis of valence bond and molecular orbital theory.</p> <p>CO4: Gain knowledge regarding the hybridization and shapes of molecules on the basic of VSPER theory.</p>
Paper B: Organic Chemistry (Code-0050)	<p>CO1: Understand the general concept of organic chemistry in terms of hybridization, resonance, electrometric and hyperconjugation effects.</p> <p>CO2: Gain knowledge about types of organic reactions, intermediates formed during various course of reactions and their methods of isolation.</p> <p>CO3: Learn about physical and chemical properties of alkanes and cyclo-alkanes.</p> <p>CO4: Understand the basics concepts of stereochemistry in terms of optical and geometrical isomerism along with various conformation analysis of organic compounds.</p>
Paper C: Physical Chemistry (Code-0051)	<p>CO1: Understand basic mathematical concepts along with mean, median, standard deviation and types of errors.</p> <p>CO2: Learn the kinetic theory of gases and various gas laws, Maxwell distribution of velocities, deviation and causes of ideal gas and explanation along with liquification of gases.</p>

	<p>CO3: Understand the chemical kinetics of various reactions and methods of determining order of reactions.</p> <p>CO4: Understand the reaction mechanism on the basis of collision theory and activated complex theory.</p> <p>CO5: Gain knowledge about role of acid-base and enzyme catalyst in various reaction along with their mechanisms.</p>
Laboratory Practicals:	<p>CO6: The students will be able to understand phenomena of viscosity and surface tension by performing practical's relative to determination of above-mentioned phenomena using Oswald viscometer and stalagmometer.</p> <p>CO7: The students will be able to learn the basics of volumetric titrations for different types including acid-base and oxidation and reduction titrations.</p>
Chemistry -2nd Semester	
Paper A: Inorganic Chemistry (Code-0151)	<p>CO1: Learn packing arrangement in 2D and 3D, radius ratio and also about lattice defects and types of conductors (p-type and n-type).</p> <p>CO2: Learn and distinguish about different types of bonding like ionic, covalent, metallic and Vander waal along with other important parameters of ionic solids in term of lattice energy and solvation energy.</p> <p>CO3: Understand the importance of p-block elements in terms of their physical and chemical properties involving hydrides, halides, oxides and oxyacids of group 13 and 14.</p> <p>CO4: Comparative study of groups 15-17 elements, compounds like hydrides, oxides, oxyacids and halides of groups 15-17, silicates (structural principle), tetrasulphur tetranitride, basic properties of halogens, interhalogens and polyhalides.</p>

Paper B: Organic Chemistry(Code-0152)	<p>CO1: Gain knowledge regarding physical properties, synthesis of alkenes and cycloalkenes in terms of mechanism of dehydration of alcohols and alkyl halides along with stability on the basis of Saytzeff's Rule.</p> <p>CO2: Explain the mechanism of electrophilic and free radical addition, chemical reaction of alkenes along with polymerization of alkenes using Ziegler Nata catalyst.</p> <p>CO3: Understand nomenclature and classification of dienes, kinetics and stability aspect of 1,2 and 1,4 addition along with learning of stereospecificity of reactions using Diels-alder reactions.</p> <p>CO4: Understand nomenclature, structure, stability of arenes derivatives.</p> <p>CO5: Understand the concept of aromaticity</p>
Paper C: Physical Chemistry(Code-0153)	<p>CO1: Learn the concept of thermodynamics- first law of thermodynamics, internal energy, heat capacity, state and path functions</p> <p>CO2: Describe Hess's Law of constant Heat Summation and its applications.</p> <p>CO3: Learn various colloidal states of matter.</p> <p>CO4: Learn colligative properties like relative lowering of vapour pressure, elevation of boiling point and depression of freezing point. Experimental methods for determining various colligative properties.</p>
Laboratory Practicals:	<p>CO5: The students will develop skill in the qualitative analysis of mixture containing two acid and two basic radicals.</p> <p>CO6: The students will develop basic skills in the preparation of</p>

	crystals and hence determination of melting point.
Chemistry-3rd Semester	
Paper A: Inorganic Chemistry(Code-0250)	<p>CO1: Understand characteristics properties of first transition series elements.</p> <p>CO2: Learn ionic radii, oxidation states, magnetic behaviour, spectral properties and stereochemistry of second and third transition series elements</p> <p>CO3: Gain knowledge regarding nomenclature, structure, bonding and isomerism in coordination compounds</p> <p>CO4: Explain qualitative properties of coordination compounds on the basis of valence bond theory.</p> <p>CO5: Applications of transition metal complexes in daily life and industry</p>
Paper B: Organic Chemistry(Code-0251)	<p>CO1: Understand nomenclature, structure, physical properties, methods of preparation and chemical properties of alcohols and phenols.</p> <p>CO2: Understand structure, physical properties, methods of preparation and chemical properties of carbonyl compounds</p> <p>CO3: Explain nucleophilic substitution mechanism in carbonyl compounds.</p> <p>CO4: Gain knowledge about methods of formation and chemical reactions of unsaturated monocarboxylic and dicarboxylic acids.</p>
Paper C:Physical Chemistry(Code-0250)	<p>CO1: Understand structural difference between solids, liquids and gases along with classification of liquid crystals</p> <p>CO2: Understand various aspect of equilibrium in chemical</p>

	<p>reactions such as reaction isotherm, reaction isochore, Clausius – Clapeyron equation and applications.</p> <p>CO3: Learn for the need and concept of second law of thermodynamics.</p> <p>CO4: Understand third law of thermodynamics using Nernst heat theorem, entropy residues, Gibbs energy, and Helmholtz work function.</p>
Laboratory Practicals:	<p>CO5: The students will get skills in the quantitative analysis of cations and anions using gravimetric method</p> <p>CO6: Determination of heat of neutralization of acid and bases by calorimetric method</p>
Chemistry -4th Semester	
Paper A: Inorganic Chemistry(Code-0350)	<p>CO1: Understand electronic structure, oxidation states and ionic radii and complex formation in lanthanide compounds.</p> <p>CO2: Learn general features and chemistry of actinides elements.</p> <p>CO3: Understand types of acids and bases according to Arrhenius, Bronsted-Lowry, the Lux-Flood, solvent system and Lewis concepts.</p> <p>CO4: Analyse oxidation and reduction potential data of elements like Frost, Latimer and Pourbaix diagrams. Principles involved in the extraction of the elements.</p> <p>CO5: Learn types and properties of different non-aqueous solvents.</p>
Paper B: Organic Chemistry(Code-0351)	<p>CO1: Understand nomenclature structure, physical properties and chemical properties of carboxylic acid derivatives</p> <p>CO2: Understand types of fatty acids, soaps and detergent and their applications</p>

	<p>CO3: Learn nomenclature, structure and methods of preparation of nitroalkanes and nitroarenes.</p> <p>CO4: Gain knowledge of basic structure, molecular orbital pictures and aromatic character of heterocyclic compounds</p>
<p>Paper C: Physical Chemistry(Code-0352)</p>	<p>CO1: Gain knowledge regarding phase equilibrium by understanding phase rule, component and degree of freedom</p> <p>CO2: Understand electrical transport of metals and electrolytes using specific and equivalent conductance measurement.</p> <p>CO3: Learn electrolyte dissociation using, Arrhenius theory and Debye-Huckel-Onsager's equation</p> <p>CO4: gain knowledge regarding types of reversible electrodes</p> <p>CO5: comparative study of reversible and irreversible cells along with conventional representation of electrochemical cells.</p>
<p>Laboratory Practicals:</p>	<p>CO6: This laboratory course gives students training for detailed analysis of organic compounds in terms of element and functional groups detection along with melting point determination.</p> <p>CO7: The students will be able to develop skill for the extraction of caffeine from tea leaves and determination of R_f value by Thin Layer Chromatography.</p>
<p>Chemistry-5th Semester</p>	

<p>Paper A: Inorganic Chemistry(Code-0451)</p>	<p>CO1: Learn crystal field theory including crystal field splitting in octahedral, tetrahedral and square planar complexes</p> <p>CO2: Understand thermodynamic and kinetic aspects of metal complexes.</p> <p>CO3: Gain knowledge regarding nomenclature, classification and bonding in organometallic compounds</p> <p>CO4: Understand the role of alkali and alkaline earth metal in biological processes.</p> <p>CO5: Understands metalloporphyrins like haemoglobin, myoglobin.</p> <p>CO6: Understand the role of nitrogen cycle and nitrogen fixation (biological and in</p>
<p>Paper B: Organic Chemistry(Code-0452)</p>	<p>CO1: Understand basics of UV-Visible absorption spectroscopy in terms of molar absorptivity, presentation and analysis of UV spectra, types of electronic transitions, effect of conjugation.</p> <p>CO2: Learn to calculate maximum value of absorption of conjugated alkenes and carbonyl compounds using Woodward Fisher Rules.</p> <p>CO3: Gain knowledge regarding types of molecular vibration, selection rules, intensity and measurement of IR band of organic compounds</p> <p>CO4: Deeper insight of Proton Magnetic Resonance spectroscopy and its application for structure elucidation of organic compounds</p> <p>CO5: Understand nomenclature, classification and biological functioning of carbohydrates.</p>
<p>Paper C: Physical Chemistry(Code-0453)</p>	<p>CO1: understand difference between classical and quantum mechanics using phenomena's black body radiation, photoelectric effect and heat capacity</p> <p>CO2: learn to solve operator involved in quantum mechanics</p> <p>CO3: differentiate between ionic and covalent bonding of H-atom</p>

	<p>using quantum mechanics</p> <p>CO4: comparative analysis of thermal and photochemical reactions.</p> <p>CO5: understand laws of photochemical reaction- Drapper law, Stark – Einstein law</p>
Laboratory Practicals:	<p>CO6: This laboratory course will enable the students to synthesize inorganic transition metal complexes.</p> <p>CO7: The students will develop the skill in conductometric titrations and hence will be able to determine ionization constant of weak acid, solubility of sparingly soluble salts and saponification of ethyl acetate.</p> <p>CO8: Determination of molecular weight of Rast method.</p> <p>.</p>
Chemistry-6th Semester	
Paper A: Inorganic Chemistry(Code-0547)	<p>CO1: Understand the structure, bonding and application of inorganic polymers-silicones and phosphazenes.</p> <p>CO2: Classify acids and bases on the basis of Arrhenius, Bronsted, Lewis and Lux-flood theories, Pearson's HSAB concept and its applications.</p> <p>CO3: Understand basic concepts of electronic spectra in transition metal complexes.</p> <p>CO4: Gain knowledge about magnetic properties of transition metal complexes.</p>
Paper B: Organic Chemistry(Code-0548)	<p>CO1: Understand classification, structure and stereochemistry of amino acids.</p> <p>CO2: Learn nomenclature, structure and synthesis of peptides and proteins.</p> <p>CO3: Understand different types of polymerization reactions including addition, condensation and step growth with examples.</p>

	<p>CO4: Gain knowledge regarding structure and role of enolates in organic synthesis.</p> <p>CO5: Learn the formation and chemical reaction of organometallic compounds of zinc, magnesium and lithium.</p>
Paper C: Physical Chemistry(Code-0548)	<p>CO1: understand Laws of Crystallography – Law of Constancy of Interfacial Angles, Law of Rationality of Indices, Law of Symmetry. Symmetry elements in crystals.</p> <p>CO2: Elucidate crystal structure of NaCl, KCl and CsCl and understanding X-ray diffraction by crystals using Braggs Law</p> <p>CO3: Learn basic introduction to spectroscopy.</p> <p>CO4: Gain knowledge regarding rotational spectroscopy of diatomic molecule by understanding energy levels of a rigid rotor, selection rules, spectral intensity.</p> <p>CO5: Learn qualitative description of sigma (σ), pie(π) and n molecular orbitals, their energy levels and the respective transition.</p>
Laboratory Practicals:	<p>CO6:This laboratory course will enable the students to synthesize various organic compounds like iodoform, meta dinitrobenzene, aniline, methyl orange.</p> <p>CO7:Stereochemical study of organic compound via a model.</p> <p>CO8:Column chromatography for separation of organic dyes.</p>
Maths-1st Semester	
Course Name And Code	Course Outcomes
Paper A: Plane Geometry (Code-0043)	CO1: Understand the concept of ellipse hyperbola and rectangular hyperbola

	<p>CO2: Identify the concept of a circle and co-axial family of circles</p> <p>CO3: Shift of origin and rotation of axis into 2 dimensions</p> <p>CO4: Learn the concept of parabola, its tangent, pole, polar and equation of chord of contact etc.</p> <p>CO5: Determine the equation of the pair of straight lines, angle between them and the joint equation of the angle bisector</p>
Paper B: Calculus 1 (Code-0044)	<p>CO1: Determine nth order derivative of a product of 2 functions using Leibniz's theorem</p> <p>CO2: Learn the concept of inequalities</p> <p>CO3: Understand the concepts of Limits and continuities</p> <p>CO4: Determine Rolle's theorem, Lagrange's mean value theorem, Cauchy's theorem</p> <p>CO5: Evaluate indeterminate form of limits</p>
Paper C: Trigonometry And Matrices (Code: 0045)	<p>CO1: Understand exponential, logarithmic circular and hyperbolic functions of a complex variable.</p> <p>CO2: Understand the concept of primitive nth root of unity.</p> <p>CO3: Compute complex no. using De Moivre's theorem</p> <p>CO4: Determine the rank of the matrix by normal, elementary row transformation, echelon form</p> <p>CO5: Learn the concept of consistent and inconsistent system of Linear equations by the row echelon form of the augmented matrix using rank</p> <p>CO6: Determine the characteristic equation, its eigen values and corresponding eigen vector of a given matrix</p> <p>CO7: Verify Cayley Hamilton theorem and using it to find the inverse of matrix</p>
Maths -2nd Semester	
Paper A: Solid Geometry	CO1: Understand the concept of sphere and co-axial family of

(Code-0145)	<p>spheres</p> <p>CO2: Express cylinder as a surface generated by a line moving parallel to a fixed line and through a fixed curve</p> <p>CO3: Learn about different kinds of cones such as right circular, elliptic and enveloping cones</p> <p>CO4: Understand the concept of ellipsoid, hyperboloid and paraboloid</p> <p>CO5: Identify curves represented by 2nd degree equations in 3 variables</p>
Paper B: Calculus 2 (Code-0146)	<p>CO1: Use the concepts of concavity, convexity, and multiple points, determining the type of curve and the location of the double point.</p> <p>CO2: Find the curve's length using rectification, the curve's area using quadrature, and the solids of revolution volume.</p> <p>CO3: Learn about various curves through curve tracing and get accustomed to curvature</p> <p>CO4: Use reduction formulas to get the integral problem's solution</p> <p>CO5: Learn about the idea of summation series.</p>
Paper C: Theory Of Equations (Code-0147)	<p>CO1: Figure out the g.c.d. of the polynomials and solving them.</p> <p>CO2: Determine the relationship between an equation's coefficient and roots.</p> <p>CO3: Transform the axis from one equation to another.</p> <p>CO4: Solve Biquadratic equations using the Descartes and Ferrari technique.</p> <p>CO5: Use Descartes's rule of signs</p>
Maths-3rd Semester	
Paper A: Advanced	CO1: Calculate the maximum and minimum values of functions

Calculus – I (Code-0241)	<p>with two and three variables.</p> <p>CO2: Familiar with the idea of partial differentiation.</p> <p>CO3: Understand the aid of Young's and Schwarz's theorems, modify the order of differentiation.</p> <p>CO4: Find the maximum and minimum values for the two- and three-variable functions.</p> <p>CO5: Find the properties and applications of vector differentiation, gradient, divergence, and curl.</p>
Paper B: Differential Equations– I (Code-0242)	<p>CO1: Learn how to solve differential equations of the first order and higher degrees for x, y, p, and Clairaut's form.</p> <p>CO2: Think of the unique solution as the parameter of the general solution.</p> <p>CO3: Understand the orthogonal trajectories and the geometrical significance of a differential equation.</p> <p>CO4: Solve second-order linear differential equations by switching the dependent and independent variables.</p> <p>CO5: Solve second-order linear differential equations using parameter variation and order reduction techniques.</p>
Paper C: Statics (Code-0243)	<p>CO1: Learn equilibrium conditions for coplanar concurrent forces.</p> <p>CO2: Learn about like and unlike parallel forces.</p> <p>CO3: Discover the equilibrium conditions for any number of non-concurrent, coplanar forces.</p> <p>CO4: Understand the rules governing friction and a particle's equilibrium on a rough surface.</p> <p>CO5: Reduce a system of coplanar forces to a force and a couple.</p>
Maths -4th Semester	
Paper A: Advanced	CO1: learn about sequences, including their convergence and

Calculus – Ii (Code-0341)	<p>divergence, subsequences, and Cauchy sequences.</p> <p>CO2: Through Cauchy's first and second limits theorems, Cauchy-Stolze theorem, and Cesaro's theorem, one can grasp the convergence of sequence.</p> <p>CO3: Determine whether an alternating series and an infinite geometric series converge.</p> <p>CO4: Understand the concept of conditionally convergent series and rearrangement of terms.</p> <p>CO5: Determine whether or not the function is uniformly.</p>
Paper B: Differential Equations – Ii (Code-0342)	<p>CO1: Find solution of differential equations in Series.</p> <p>CO2: Know Bessel's function and its characteristics.</p> <p>CO3: Know Legendre's function and its characteristics.</p> <p>CO4: Learn how to solve first-order partial differential equations and the Laplace, inverse Laplace, and convolution theorems.</p> <p>CO5: Solve Integral and Differential Equations, using Laplace Transforms.</p>
Paper C: Dynamics (Code:0343)	<p>CO1: Describe how particles move when the acceleration is constant or variable.</p> <p>CO2: Comprehend the principles of motion, a straight-line SHM idea while addressing periodic motion.</p> <p>CO3: Learn the motion of a particle moving curvilinearly in a plane.</p> <p>CO4: Understand the problems of projectiles and circular motion.</p> <p>CO5: Gain insight about work, power, and energy, and questions about the relative motion and velocity of two particles.</p> <p>CO6: Determine notions of impulse of constant and variable forces, linear and angular momentum.</p>
Maths-5th Semester	

<p>Paper A: Analysis — I (Code:0443)</p>	<p>CO1:Determine if a set is countable or not, then create a definite integral that serves as the limit of a Riemann sum. CO2: Calculate definite integrals using the integral calculus fundamental theorem, mean value theorems, and beta and gamma functions. CO3: Interpret improper integrals' absolute and conditional convergence, as well as Frullani's integral and integral as a function of parameter.</p>
<p>Paper B: Modern Algebra (Code-0444)</p>	<p>CO1: Perform fundamental calculations in group theory and ring theory; identify and comprehend the structure and properties of various subgroups, such as normal subgroups and cyclic subgroups. CO2: Understand the mathematical concepts of permutation groups, factor groups, and abelian groups, as well as the homomorphism of groups and rings, are studied in abstract algebra. CO3: Examine prime ideal, maximum ideal, and main ideal as instances of subrings, ideals, and quotient rings.</p>
<p>Paper C: Probability Theory (Code: 0445) (Code-0450)</p>	<p>CO1: Understand the rules of probability; using calculus to compute Mean and Variance for various probability distributions; and essential ideas from probability theory, such as random variables, the probability density function, and distribution functions. CO2: Understand the techniques for determining Moment Generating Function, Skewness, and Kurtosis; knowledge of Bivariate Probability Distributions and their use in problem-solving.</p>
<p>Maths -6th Semester</p>	
<p>Paper A: Analysis — II (Code: 0541)</p>	<p>CO1: Calculate double integrals using polar coordinates, over rectangles and bounded non-rectangular regions, and using the statement of the change of variable theorem for double integrals to illustrate its geometric meaning. CO2: Evaluate triple integrals in spherical, cylindrical, and rectangular coordinates; Utilizing the Gauss divergence theorem, Stokes theorem, and Green's theorem, one may determine the line, surface, and volume integration of vector functions; Explain the idea of uniform and pointwise convergence of series and sequences of functions. CO3: Find the interval and radius of convergence of power series, perform the Weierstrass M-test, Abel's, and Dirichlet's tests for uniform convergence, and build fourier series for piecewise monotonic functions and odd and even functions.</p>

Paper B: Linear Algebra (Code: 0542)	<p>CO1: Learn about linear transformations, including their rank, nullity, and algebra, as well as vector space, subspace, their basis, and dimensions.</p> <p>CO2: Find the matrix that corresponds to the linear transformation; learning the matrix's eigenvalues and eigenvectors; and being familiar with the Cayley-Hamilton theorem and its applications.</p>
Paper C: Numerical Analysis (Code: 0543)	<p>CO1: Solve Analytic problems using numerical approximation.</p> <p>CO2: Utilize numerical techniques to solve transcendental equations and examining the convergence.</p> <p>CO3: Create numerical techniques for interpolation, differentiation, integration, ordinary differential equations, and matrices; evaluate the methods' accuracy; and contrast the numerical.</p>

Class/ Code/ Course Name	Course Outcomes
1st Semester Paper–CS01 Theory-A Computer Fundamentals	CO1: Understanding of basic Computer Terminology. CO2: Formulation of opinions about the impact of computers on society. CO3: Acquire a fundamental understanding of hardware peripherals. CO4: Develop interests in using computers for professional work.
1st Semester Paper –CS02 Theory-B PC Software	CO1: Work effectively with a range of current, standard, Office Productivity software applications. CO2: Understanding of operating system – Interface and organizing files and folders. CO3: Operate a variety of advanced spreadsheet, operating system and word processing functions. CO4: Evaluate, select and use office productivity software appropriate to a given situation.
1st Semester Paper – PCS01 Practical-C Practical Based on Paper – CS02	CO1: Implementation of commands in MS-DOS, CO2: Familiarizing with Office software (Word processing, Spreadsheets and Presentation). CO3: Solve a range of real world problems using office productivity applications, and adapt quickly to new software releases.
2nd Semester Paper-CS03 Theory-A Operating System Concepts	CO1: Understanding the components, types and working of Operating System. CO2: Evaluate the effectiveness of various scheduling algorithms as well as the rules for concurrency and deadlock management.
	CO3: Understanding the concepts of file and process

	<p>management.</p> <p>CO4: Understanding of various memory management algorithms and basic operations on files and directories</p>
<p>2nd Semester Paper-CS04 Theory-B C Programming</p>	<p>CO1: Knowledge of basic concepts of C Language like: Arrays, Pointers, File Handling.</p> <p>CO2: Skill to execute real world problems in C language.</p> <p>CO3: Skill to debug C programs.</p> <p>CO4: Ability to implement dynamic memory allocation techniques.</p> <p>CO5: Manage I/O operations in C program.</p> <p>CO6: Understanding of functional hierarchical code organization.</p>
<p>2nd Semester Paper-PCS02 Practical-C</p>	<p>CO1: Read, understand and trace the execution of programs written in C language.</p> <p>CO2: Write the C code for a given algorithm.</p> <p>CO3: Implement Programs with arrays, pointers, functions, structure, union etc.</p> <p>CO4: Implementation of String and File Handling Functions.</p> <p>CO5: Implementation of C programs to make real applications.</p>
<p>3rd Semester Paper-CS06 Theory Paper-B Object Oriented Programming</p>	<p>CO1: Describe the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.</p> <p>CO2: Understand dynamic memory management techniques using pointers, constructors, destructors, etc.</p> <p>CO3: Describe the concept of function overloading, operator overloading, virtual functions and polymorphism.</p> <p>CO4: Classify inheritance with the understanding of early and late binding.</p> <p>CO5: Demonstrate the use of various OOPs concepts with the help of programs</p>
<p>Paper-CS05 Theory Paper-A</p>	<p>CO1: Representation of information, conversion of number systems, and Boolean algebra.</p>

<p>Computer Organization</p>	<p>CO2: Explain the organization of basic computer and its design.</p> <p>CO3: Basic building blocks, Combinational Logic design, Microinstructions and Instruction Cycle.</p> <p>CO4: Understanding of Memory Organization.</p> <p>CO5: Basic understanding of Instruction set and addressing modes.</p> <p>CO6: Describe the architecture, bus structure and memory organization of 8085 Microprocessor.</p> <p>CO7: Design structured, well-commented, understandable assembly language programs.</p>
<p>3rd Semester Paper- PSC03 Practical-C</p>	<p>CO1: Implementation of classes, objects, constructors, functions, inheritance in C++ Editor.</p> <p>CO2: Small projects based on the concepts of polymorphism, overloading etc.</p> <p>CO3: Implementation of real world problems in C++.</p>
<p>4th Semester Paper – CS07 Theory-Paper A Database Concepts</p>	<p>CO1: Understanding of the architecture and operations of databases, data principles and management systems.</p> <p>CO2: Designing with entity relationships and creating a strong database design using normalization techniques.</p> <p>CO3: Recognize the applications of structured query language, its syntax, transactions, database recovery, and query optimization methods.</p>
<p>4th Semester Paper – CS08 Theory-Paper B Data Structures</p>	<p>CO1: Understand the concept of Dynamic memory management, Data types, Algorithms, Big O notation.</p> <p>CO2: Understanding of basic data structures such as Arrays, Linked lists, Stacks, Queues, Trees and Graphs.</p> <p>CO3: Analysis of complexity of different Algorithms.</p> <p>CO4: Apply algorithms for solving problems like sorting, searching, insertion and deletion of data.</p> <p>CO5: Use of appropriate data structure to solve particular real world problems.</p>

<p>Paper – PCS04 Practical-Paper C Practical Based on Paper – CS08</p>	<p>CO1: Implementation of algorithms of different data structures using C language.</p> <p>CO2: Implementation of menu based small projects of Data structure.</p> <p>CO3: To develop students’ understanding through laboratory activities to solve problems related to data structures.</p>
<p>5th Semester Paper – CS09 Theory-Paper A Project Management</p>	<p>CO1: Understand the conventional and evolution of software.</p> <p>CO2: Straighten out the process of managing a software from conventional to modern.</p> <p>CO3: Assess the process flow and architecture of a model-based programme.</p> <p>CO4: Explain process management, automation, and its differentiators.</p> <p>CO5: Review the economics for the next generation software.</p>
<p>5th Semester Paper – CS10 Theory-Paper - B Relational Database Management System</p>	<p>CO1: Explain the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.</p> <p>CO2: Design ER-models to represent simple database application scenarios.</p> <p>CO3: Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.</p> <p>CO4: Improve the database design by normalization.</p>
<p>5th Semester Paper – PCS05 Practical-Paper C Practical Based on Paper – CS10</p>	<p>CO1: Implementation of SQL commands.</p> <p>CO2: Building SQL queries to create a database.</p> <p>CO3: Learning of Exception handling techniques.</p> <p>CO4: Classification of Views, Cursors, triggers and Procedures.</p> <p>CO5: Creation of real time applications using SQL commands.</p>
<p>6th Semester Paper – CS11 Theory-Paper A E-Commerce</p>	<p>CO1: Be able to learn the basic concepts of e-business and e-commerce.</p> <p>CO2: Understanding of the basic concepts of website creation, registration of domain name and website hosting.</p>

6th Semester Paper – CS12 Theory-Paper B Web Programming	CO1: Describe the concepts of World Wide Web and the requirements of effective web design. CO2: Develop web pages using the HTML and CSS features with different layouts as per need of applications. CO3: Use of JavaScript to develop the dynamic web pages
6th Semester Paper – PCS06 Practical-Paper C BA(CS) – 6th Semester Practical Based on Paper – CS12	CO1: Support the development of web pages. CO2: Write scripts and effectively incorporate JavaScript in a web page. CO3: Create forms and check for data accuracy. CO4: Use of JavaScript system objects. CO5: Embed objects in a web page. CO6: Effectively use decision and looping statements in JavaScript programs. CO7: Effectively manipulate strings and use of array processing.

BSc with Punjabi (General) as compulsory subject Semester I	After successful completion of syllabus, the students will be able to: CO1: Understand the Introductory of the modern poetry and related concepts. CO 2: Familiar to the renowned poets and their historical backgrounds. CO 3: Gain knowledge about brief description of the poems and associate’s learnings. CO 4: Learn the Phonetics and Punjabi phonemes.
BSc with Punjabi (General) as compulsory subject Semester II	After successful completion of syllabus, the students will be able to: CO 1: Learn the prescribed stories equip students with understanding of social and cultural issues. CO 2: Familiarized with various aspects of short story writing of

	<p>the prescribed period.</p> <p>CO 3: Learn of life from the diverse texts concerned about values of life, struggles and hardships of common man.</p> <p>CO 4: Understand the prescribed grammar section will help understand idioms and phonetics. It improvises the writing skills of the students.</p>
<p>Bsc with history and culture of punjab as compulsory subject Semester I Paper: History and culture of punjab from earliest times to 1849 (code:0092)</p>	<p>CO1: Understand the human evaluations like the transformations occurred right from Indus valley civilization.</p> <p>CO2: Compare and contrast various stages of progress from Indus valley civilization to Vedic age. Analyse the Jain, Buddhist and Vedic faiths.</p> <p>CO3: Analyse the emergence of the Mauryan and Gupta empires during the “Classical age” in Punjab. Critically examine the nature of monarchic rule and develop a comprehensive understanding of cultural evolution during ancient period.</p> <p>CO4: Develop understanding about the origin and growth of Sikhism and various institutions as well as Bhakti and Sufi movement. Understand martyrdoms of Sikh Gurus and creation of Khalsa organisation. Understand social and cultural conditions of Maharaja Ranjit Singh.</p> <p>CO5: Visualize where places are in relation to one another through map pointing.</p>
<p>Semester II Paper: History and culture of punjab in the colonial (code: 0192)</p>	<p>CO1: After completion of the course, student came to know about the reasons which led to establishment of the British rule in the Punjab, Board of administration. Analyse British policy towards education.</p> <p>CO2: The Social evils and the efforts made by the social reformers to eradicate them since ancient and medieval times.</p> <p>CO3: Understand and develop awareness about political consciousness.</p>

	<p>CO4: Students came to know the chronology of India's independence struggle and dedications and scarifies of the India national statesmen during Indian Independence struggle. Understand the circumstances leading towards partition and aftermaths.</p> <p>CO5: Visualize where places are in relation to one another through map pointing</p>
<p>Bsc with english as compulsory subject SemesterIII Paper: English</p>	<p>On successful completion of this course, students will be able to:</p> <p>CO1: This course enables a learner to acquire extensive knowledge of English as a language in its various textual forms and to become thoughtful, imaginative and effective communicators in a diverse and changing society.</p> <p>CO2: The learners will acquire knowledge about various literary aspects through the text which capacitates them to enrich their literary and cultural values.</p> <p>CO3: This course will enhance the vocabulary of the students through reading various forms of literature</p> <p>CO4: Learn the art of writing tender notices, auction notices, public notices, memo.</p>
<p>Semester IV Paper: English (code: 032)</p>	<p>On successful completion of this course, students will be able to:</p> <p>CO1: This course enables a learner to acquire extensive knowledge of English as a language in its various textual forms and to become thoughtful, imaginative and effective communicators in a diverse and changing society.</p> <p>CO2: The learners will acquire knowledge about various literary aspects through the text which capacitates them to enrich their literary and cultural values.</p> <p>CO3: This course will enhance the vocabulary of the students</p>

	<p>through reading various forms of literature</p> <p>CO4: To enhance the skills of précis-writing, curriculum vitae, short- formal reports</p> <p>CO5: Acquire the knowledge of organizational communication skills like emails, fax messages, teleconferencing, audio-visual aids, and Power point presentations as well as effective listening and non-verbal communication</p>
--	--