R.S.D. COLLEGE

FEROZEPUR CITY (152002)

Programme Outcomes (POs)

and

Course Outcomes (COs)

R.S.D. COLLEGE

FEROZEPUR CITY (152002)

FACULTY OF SCIENCES

Programme Outcomes (POs)

and

Course Outcomes (COs)

Program Outcome (UG Level)

After completion of a UG Program from the college, a student would have the following attributes:

1). A comprehensive domain knowledge.

2). The ability to think critically and creatively.

3). Self-awareness, personal development and communication skills.

4). The ability to adapt to various situations and leadership qualities.

5). Ethical and social understanding.

6). Digital competence.

Program Outcome (PG Level)

After completion of a PG Program from the college, a student would have the following attributes:

1) An in-depth domain knowledge of and intellectual grooming in the concerned discipline.

2) Critical thinking and the ability to create, evaluate and recreate.

3) Effective communication skills and the ability to organize and lead.

4) Global outlook and ethical commitment.

5) Digital adeptness.

6) Emotional intelligence.

DEPARTMENT OF PHYSICS

Course Outcomes of B.Sc. (physics)

Semester – I	
Course	Outcomes After completion of these course, students should be able to**;**
Paper: A (Mechanics-I)	CO1:Understand the various physical concepts of mechanics and Newton's laws of motion and applications. CO2: Understand the concept of work and energy and application to various fields . CO3: Understand the central force and Keplers laws. CO4: Understand elastic and inelastic scattering processes. CO5: Understand the difference between Lab and CM frames.
Paper: B (Vibrations and Waves-I).	CO 1: Study underlying principles of oscillations and its scope in development. CO 2: Understand and solve the equation or graphical representations of motion for simple harmonic, damped, forced oscillators and waves. CO3: Explain oscillations in terms of energy exchange with various practical applications. CO4: Solve numerical problems related to undamped, damped, forced oscillations and superposition of oscillations.
Paper: C(Electricity and Magnetism-I)	CO1: Electricity and Magnetism is an important course to understand the origin of electric and magnetic field and determination of their intensities. CO2: Learn electric intensity produced in dielectric materials and physical significance of dielectric parameter.
Semester – II	
Course	Outcomes After completion of these course students should be able to**;**
Paper: A (Mechanics-II)	CO 1: Become familiar with the concept of inertial and non-inertial frames. CO2: Appreciate the concept of precession and its applications as

	elementary gyroscope. CO3: Appreciate the effect of non-inertial frames in natural phenomenon e.g. variation of acceleration due to gravity with latitude, coriolis force and its applications. CO 4: Understand the special theory of relativity and they will have an idea about the concept of Minkowski space and four vector formulism.
Paper: B (Vibrations and Waves-II).	CO 1: Learn about the concept of impedance matching for propagation of wave throughdifferent media. CO 2: Explain Reflection and transmission of EM waves at a boundary of two dielectric media for normal and oblique incidence.
Paper: C(Electricity and Magnetism-II)	CO 1: Learn about magnetic properties of the material and their behaviour in the magnetic field. CO 4: Understand about coupling of electrical circuits and their basic concepts. CO 5: Know about the fundamentals of E.M Waves and response of different media to E.M Waves. CO 6: Understand the concept of magnetic field and potential difference due to different types of distribution of charges.
Semester – III	
Course	Outcomes After completion of these course students should be able to**;**
Paper: A (Statistical and Thermodynamical Physics-I)	CO1: Gain knowledge about the basic laws of statistical physics and its scope. CO2: Explain the Concept of microstate, macrostate and Phase space will be introduced to the students. CO 3: Learn about the basic approaches of Maxwell Boltzmann, Bose Einstein and Fermi Dirac statistics.
Paper:B (Optics -I)	CO 1: Acquire the basic concepts of wave optics. CO 2: Understand how light can constructively and destructively interfere and they will analyse simple examples of interference and diffraction phenomena. CO 3: Summarize the polarization of electromagnetic waves. CO 4: Apperciate the operation of many modern optical devices that utilize wave optics.
Paper:C (Quantum Mechanics-I**)**	CO 1:Understand origin and basic concepts of quantum physics CO 2: Understand about Schrodinger equation for free as well for particle subjected to forces. Moreover, they will learn to apply Schrodinger equation to various problems of Physics. CO 3: Gain knowledge about X rays, different methods of production of X rays and their interaction with material.

Semester – IV	
Course	Outcomes After completion of these course students should be able to**;**
Paper: A (Statistical and ThermodynamicalPhysics-II)	CO1: Understand the concepts of thermodynamics. CO2: understand the working of carnot cycle , Joule-Thomson effect, Maxwell's thermodynamical relations and applications.
Paper –B (Optics-II)	CO1: To be familiar with a range of equipment used in modern optics. CO 2: An important device LASER is introduced to give the depth understanding of its mechanism and applications. CO3: Understand the Concept of Holography, Optical fibres ,Optical fibre based communication system and their Medical applications.
Paper:C (Quantum Mechanics-II)	CO 1: Understand the one electron atomic spectra, concept of Zeeman effect, Spin orbit coupling, Lande's-g factor will be introduced to them. CO 2: Explain about the spectra of many electron systems e.g. Helium and Alkaline Earth Spectra.
Semester – V	
Course	Outcomes After completion of these course students should be able to**;**
Paper:A(Condensed Matter Physics-I)	CO 1: Explain Physics of materials and their classification. CO2: Understand basics of Crystal Physics. CO2: Understand the electrical properties of metals.
Paper:B(Electronics-I)	CO 1: Explain about the diodes and its applications like rectification, clipping, switch. CO 2: Apply laws of electrical circuits to different circuits. CO3: Understand the properties and working of transistors and the functions of operational amplifiers.
Paper: C (Nuclear Physics-I)	CO 1: Learn about the constituents of nucleus and various properties of nucleus. CO 2: Understand the different Nuclear models. CO 3: Explain the various Nuclear Reactions and basic working of Nuclear reactors.
Semester – VI	

Course	Outcomes After completion of these course students should be able to;
Paper:A(Condensed Matter Physics-II)	CO 1: Explain magnetic properties of materials. CO 2: Under the basic cocept of superconductivity, different types of superconductors and their properties. CO3: Understand the band theory and will be able to differentiate between conductos, semi-conductors and insulator using Kronig-Penny model.
Paper:B(Electronics-II)	CO1: Design circuits using transistors and operational amplifiers. They will further learn about the 555timer and its applications. CO2: Understand the Boolean algebra and logic circuits. CO3: Learn about propagation of waves , modulation and demodulation.
Paper: C (Nuclear Physics-II)	CO 1: Become familiar with the various modes of decay of radioactive nuclides and the laws governing the radioactive decay. CO 2: Explain various types of Partricle detectors ,accelerators used for detecting and accelerating the charge particles which are used in high energy physics. CO3: In particle physics the students will study about cosmic rays and elementary particles.

DEPARTMENT OF CHEMISTRY

Course Outcomes of B.Sc. (Chemistry)

Course	Outcomes After completion of these course, students should be able to;
SEMESTER-I &II	
Paper: A (Inorganic Chemistry)	CO1: This course imparts essential knowledge regarding Quantum mechanical approach to atomic structure, periodic properties, and chemistry of noble gases, s-block elements and overall idea of chemical bonding. CO2: Students get a thorough knowledge on over all inorganic chemistry. They learn role of elements in chemistry and their uses. CO3: Students learn modern theories of chemical bonding like VSEPR theory, Valence bond theory and Molecular orbital theory. CO4: Students will learn about properties of all the groups P-block elements
Paper: B (Organic	CO1: This course make students capable of understanding and learning

Chemistry)	nomenclature, structure and bonding and classification of organic compounds and basic concepts of organic chemistry like–reaction mechanism, intermediates and attacking reagents etc. CO2: Students learn preparation and properties of organic compounds like hydrocarbons, alkanes and cycloalkanes, alkenes, cycloalkenes, alkynes and dienes. CO3: students will get to know about stereochemistry, conformations, configurations and isomerism. CO4: students will get to know about aromaticity and aromatic compounds, also they will learn the synthesis and properties of arenes, alkyl halide and aryl halide.
Paper: C (Physical chemistry)	CO 1: This course enables the students to learn about the mathematical concepts and evaluation of analytical data, gaseous state of matter CO2: Students will learn about chemical kinetics and various concepts that are related with chemical kinetics. CO3: students will get the complete idea of thermodynamics and thermochemistry. CO4: This course enables the students to get an idea of colloidal state, also about solutions, dilute solutions and colligative properties.
Paper: Practicals	CO 1: Course develops the skills to determine physical constants like melting points and boiling points. CO2: Develops skill of volumetric titrations of acid and base CO3: Develops skill regarding systematic qualitative analysis of inorganic mixtures containing two acidic and two basic radicals by semi micro method of analysis. CO4: Students learn and perform experiments related to physical chemistry i.e. Surface tension, viscosity Chemical Kinetics and Thermodynamics.
SEMESTER-III &IV	
Paper: A (Inorganic Chemistry)	CO1: Advanced Theories on coordination Chemistry, Structure, Bonding and Stereochemistry of important Coordination Compounds. CO 2: chemistry of transition elements involving first, second and third transition series. CO3:Non-Aqueous solvents, and concept of redox reactions. CO 4: Chemistry of Lanthanides and Actinides. CO5: Concept of acid and base
Paper: B (Organic Chemistry)	CO1: Students will learn about the synthesis of various organic compounds like alcohols, phenols, aldehydes and ketones. CO2: Synthesis and properties of important class of organic compound like carboxylic acid and their derivatives, ethers, fats, oils and detergents. CO3: Students will learn about the organic compounds containing nitrogen and other heterocyclic compounds
Paper: C (Physical	CO1: Basic concepts and Laws of Thermodynamics, chemical equilibrium and

chemistry)	liquid state of matter. CO2: Students will get complete idea of electrochemistry and electrochemical and electrolytic cells. CO3: Idea of Distribution law, liquid-liquid mixture and phase equilibrium
Paper: Practical	CO1: Techniques of Thin Layer Chromatography, thermo chemistry. CO2: Quantitative estimations of different ionic species using different branches of Volumetric and Gravimetric Analysis. CO3: Qualitative analysis of organic compounds with synthesis of their derivatives and physical constant determinations.
SEMESTER-V &VI	
Paper: A (Inorganic chemistry)	CO1: Crystal Field Splitting in coordination complexes, their stability, color and magnetic properties and use of magnetic moments for interpretation of their structures and thermodynamic and kinetic aspects of metal complexes. CO 2: Electronic transitions, selection rules and Term symbols. CO3: Thorough knowledge of Organometallic chemistry. CO4: Complete idea of bioinorganic chemistry. CO5: Synthesis and properties of silicones and phosphazenes and HSAB concept.
Paper: B (Organic Chemistry)	CO1: Different spectroscopic methods of analysis which includes UV, IR &NMR techniques. CO 2: Study of Carbohydrates, Polymers, Organometalic compounds, Amino acids, Proteins, RNA and DNA. CO3: Synthesis of different organic compounds via enolate ions.
Paper: C(Physical chemistry)	CO 1: Elementary idea of quantum mechanics and photochemistry. CO2: Students will learn about solid state of matter. CO3: Students will be introduced with the various branches of physical spectroscopy like rotational, vibrational, electronic and brief idea of raman spectroscopy.
Paper: Practical	CO 1: Synthesis of organic and inorganic compounds CO2: Column chromatography CO 3: Various physical chemistry experiments related to conductometry CO4: Rast method, Distribution Law and Adsorption Isotherm.

Course Outcomes M.Sc. (Chemistry)

Course	Outcomes After completion of these course, students should be able to;
SEMESTER-I	

Inorganic chemistry	Understand the common themes running through ionic, covalent and metallic descriptions of chemical bonding, including principles of main group elements. Enhance the knowledge on metal clusters and nuclear chemistry.
Organic chemistry	The master's specialization, Organic Chemistry, will give you in-depth knowledge about organic-chemical reactions with a focus on principles for effective synthesis strategies, stereo selectivity, catalysis, as well as organometallic chemistry
Physical chemistry	Explain the fundamentals of atomic structures with respect to quantum mechanical approach in detail by understanding wave mechanics in three dimensions and able to discuss about the advanced concepts of chemical kinetics.
Biology for chemists	The chemical basis for biological phenomena and cellular structure. nucleic acid structure – building blocks of both DNA and RNA, secondary structures, tertiary structures and higher order packaging of genomic DNA.
Mathematics for chemists	Understand matrix algebra. They can draw different kind of curves. students will learn about permutation and probability theory and their application.
Computers for chemists	An ability to apply knowledge of computing and mathematics appropriate to the discipline. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
SEMESTER-II	
Inorganic chemistry	Illustrate the principles behind the Metal Ligand equilibria in solution with respect to the formation, their Kinetic and thermal stability, and determinations, crystal field theory of transition metal complexes in octahedral and tetrahedral geometry. .

Organic chemistry	Predict and account for the most commonly encountered reaction mechanisms in organic chemistry including aromatic substitution reaction, addition reactions, elimination reactions and rearrangements as well as basics of amino acids and peptides.
Physical chemistry	Understand concepts of partial molar properties, concept of fugacity and their determination methods including Debye-Huckel theory to strong electrolytes and also learn the thermodynamics of electrified interface.
Group theory and spectroscopy	Recognize symmetry elements in a molecule; State the point group a molecule belongs to. Understand the role of symmetry in electronic spectroscopy, selection rules. Develop skills in numeracy and problem solving. The subject specific skill is the acquisition of a theoretical framework which underlies much of spectroscopy
SEMESTER-III	
ORGANOMETALLIC CHEMISTRY	Have the core idea about advanced organic chemistry principles and theories to develop research oriented skills in applied organic chemistry.
HETEROCYCLIC CHEMISTR	Understand the concept and definitions of Aliphatic nucleophilic and electrophilic substitution reactions, fundamentals of free-radicals, pericyclic chemistry.
ORGANIC SPECTROSCOPY	Encompass achieved advanced knowledge about the interactions of electromagnetic radiation and matter and their applications in organic spectroscopy to elucidate the structure of the organic compounds.
Environmental chemistry	Demonstrate knowledge of chemical and biochemical principles of fundamental environmental processes in air, water, and soil. 2. Recognize different types of toxic substances &responses and analyze toxicological information

SEMESTER-IV	
ORGANIC SYNTHESIS	Understand the concept and definitions of Aliphatic nucleophilic and electrophilic substitution reactions, fundamentals of free-radicals, pericyclic chemistry.
CHEMISTRY OF NATURAL PRODUCTS	In depth knowledge about organic chemical reactions with a focus on principles for effective synthetic strategies.
Biophysical chemistry	Membrane structures – component molecules, supramolecular arrays, structure and function of proteins associated with membranes. transport mechanisms across membranes. biosignaling – mechanisms for amplification of signals, components of signal transduction networks, types of signal transducers, mechanisms for activation and regulation of signal transducers. biosynthetic pathways – steps in biosynthesis of lipids, amino acids and nucleic acids, regulation of pathways, structure and function of biosynthetic enzymes, mechanisms of action of biosynthetic enzymes
Photochemistry	Describe the interaction of excited states with their surroundings, and apply theoretical methods for treating excited states. Explain and discuss theories for photoinduced electron transfer and excitation energy transfer, and apply these methods in quantitative calculations.

Department of Mathematics

Department of Mathematics	After successful completion of three year degree program in Bachelor of Arts and B.Sc (N.M) student should be able to;
Course Outcomes- B.SC. (Mathematics)	
Semester-I	

Course	Outcomes After completion of these courses students should be able to;
Paper- I: **Plane Geometry I**	CO-1 students will be able to learn about transformation of axis. CO-2 Students will able to understand the tracing of different equations of conic section their polar equation , equation of tangent and normal. CO-3 Understand the concept of pair of straight line. CO-4Understand all the concepts to implement in real life CO-5. Students will differentiate exponential , logarithmic , trigonometric and inverse trigonometric functions
Paper-II : **Calculus Ⅰ**	CO-1Students got to know about different properties of real no. CO-2 Understand the concept of limit and continuity . CO-3 Learn about hyperbolic functions and derivates. CO-4 Student got to know about successive differentiation. CO-5 Learn to use Leibnitz theorem to find higher order derivatives of product functions.
Paper-Ⅲ: **Trigonometry and Matrices**	CO-1 Students will able to learn about the polar representation of complex no ,D' Moivre's theorem and their application . CO-2 Understand the concept of summation of series mainly Gregory 's series. CO-3 Students will able to know about different kind of matrices, learn to calculate the row rank , column rank . CO-4 Understand the theorems on consistency of system of linear homogeneous and non homogeneous equations. CO-5 Understand to calculate Eigen values, Eigen function , characteristics equation
Semester-II	
Paper-I **Solid Geometry**	CO-1.understand the concept of transformation of axis. CO-2. To understand the geometrical concept of sphere and cylinder. CO-3 To understand radical plane , radical axis of cone. CO-4 student learn to find the different geometric figures.
paper II **CALCULUS II**	CO-1Evaluate an indefinite integeral using integeration by parts . CO-2Understand the concept of concavity, convexity ,point of inflection, multiple points and asymptote. CO-3Student learn how to set up definite integeral to calculate the length of curve, area and volume CO-4 Student can learn to trace a curve

Paper III **Theory of equations**	CO-1.learned how to use fundamental theorem of algebra in real life. CO-2.learned basic concept of Descarte's rule of sign. CO-3. Learned how to solve cubic and B iquadratic equations using cardon's , descarte's and ferrari's method

Semester-III	
Course	**Outcomes** After completion of these courses students should be able to;
Paper-I **Advance calculus I**	CO-1. The student is expected to learn about the basic principles of multi- variable calculus with proofs. CO-2. To have full knowledge of calculus involving the fundamental tools such as continuity and differentiability. CO-3. Students are able to find maxima , minima and saddle point of function. CO-4. Students are able to effectively communicate mathematics: reading, writing, listening, and speaking. Students make effective use of the library, conduct research and make oral and written presentations of their findings. CO-5. To gain knowledge about vector differentiation , Gradient , Divergence, curl and their application in real life.
paper II- **Differential Equation**	CO-1.Determine the solution of Orthogonal trajectories of differential equation. CO-2.Acquire the idea of claurit equation for solving differential equation, singular solution . CO-3.Understand the order ,degree and various standard forms of differential equations.
Paper III **STATISTICS**	CO-1. An ability to construct free-body diagrams and to calculate the reactions necessary to ensure static equilibrium. CO-2. An understanding of the analysis of distributed loads. CO-3. A knowledge of internal forces and moments in members CO-4 Understand the concept of friction .

Semester-IV	
Paper-1 Advance calculus II	CO-1. Determine if a geometric series is convergent or divergent. CO-2. Find the sum of a convergent geometric series. CO-3. Determine if an infinite series is convergent or divergent by selecting the appropriate test from the following: (a) test for divergence; (b) integral test; (c) p-series test; (d) the comparison tests; (e) alternating series test; (f) absolute convergence test; (g) ratio test; and (h) root test. CO-4. Determine if an infinite series converges absolutely or conditionally CO-5 Understand the concept of sequential continuity and uniform continuity.
Paper II- Differential equation	CO-1.Determine the solution of power series of differential equation. CO-2.Acquire the idea of lagrange's method for solving the first order linear partial differential equation. CO-3.Understand the order ,degree and various standard forms of differential equations. CO-4.To know about the laplace transform.
Paper III	CO-1. Learned how to study simple harmonic motion. CO-2. Learned how to trace curvilinear motion of particles in a plane. CO-3. Learn concept of work,power and energy.

Semester-V	
Course	**Outcomes** After completion of these courses students should be able to;
Paper--I Analysis-I	CO-1. Knowledge of continuity and uniform continuity. CO-2. Concept ,application and calculation of Riemann Integrals CO-3.Understanding of Beta and Gamma functions CO-4. Determination of Improper integrals and its applications
Paper-II Algebra	CO-1 Understand the concept of Groups , Rings , their properties. CO-2 Got knowledge about special kind of groups and rings and about homomorphism , isomorphism etc.

Paper- III **Probability**	CO-1.A good understanding of elementary probability theory and its real life applications. CO-2. Concept of random events, their expected values and its application in lottery market. CO-3. Introduction of fundamental discrete distribution, their pmf, cmf, moments, etc. CO-4. Introduction of fundamental continuous distribution, pdf, cdf, moments, probability curve, area under probability curves etc. CO-5.Identify the application of selected probability distribution to different real life situations.
Semester-VI	
Paper I - Analysis-II	CO-1. Students will have the knowledge of convergence of sequence and series of functions. CO-2. Solve the problems related to Double and Triple Integrals and its application. CO-3.Solve various problems related to Area and Volume CO-4. Understanding of basic notions vector analysis, gradient of scalar field, paths and line integrals. CO-5. Concept of convergence of power series.
Paper II – linear Algebra	CO-1 Student will learn about vector space , linear transformation . CO-2 Student will understand diagonalizable operator , Cayley-Hamilton theorem and minimal polynomial.
Paper III-Numerical Analysis	CO-1Apply numerical methods to find out solution of algebraic equations using different methods under various condition and solutions of system of algebraic equations. CO-2.Apply various interpolation methods and finite difference methods. CO-3. Work out numerical differentiation and integration when routine methods are not applicable. CO-4. Work numerically on ordinary differential equations using different methods through theory of finite differences CO-5. Work numerically on partial differential equations using different methods through theory of finite differences. CO-6. Analyse and evaluate the accuracy of common numerical methods.

Department of Botany

Program Outcomes: B.Sc. (Botany)

Course	Outcomes After completion of these course, students should be able to**;**
SEMESTER-I	
Paper – BOT-A **Plant Diversity**	**CO-1** Understand the diversity among Algae and Fungi. **CO-2** Know the systematic, morphology and structure, life cycle pattern, useful and harmful activities of Algae and Fungi. **CO-3** Know the Economic Importance of Algae and Fungi.
Paper – BOT-B **Cell Biology**	**CO-1** Understand the basic structural unit of life i.e. Cell and its organelles. **CO-2** Learn biochemical nature of nucleic acids, their role in living systems, experimental evidences to prove DNA as a genetic material. **CO-3** Understand the process of synthesis of proteins and role of genetic code in polypeptide formation.
SEMESTER-II	
Paper – BOT-A **Plant Diversity-II**	**CO-1** Know about how different life forms have evolved from simpler to complex ones**.** **CO-2** Understand the morphological diversity and economic importance of the Bryophytes and Pteridophytes. **CO-3** Know the taxonomic position, occurrence, thallus structure, reproduction of Bryophytes and Pteridophytes.
Paper – BOT-B **Genetics**	**CO-1** Understand various aspects of hereditary trends observed in successive generations. **CO-2** Understand the different types of genetic interaction, incomplete dominance, codominance, inter allelic genetic interactions, multiple alleles and quantitative inheritance etc **CO-3** Know about the structural and functional differentiation of plants.
SEMESTER-III	
Paper – BOT-A	**CO-1** Know the scope of Paleobotany, types of fossils, its role in global

Diversity of seed plants and their systematic -I	economy and geological time scale and also to understand the various fossil genera representing different fossil groups. **CO-2** Understand the diversity of Gymnosperms in India. **CO-3** Know the evolutionary trends and affinities of living gymnosperms with respect to external and internal feature
Paper-BOT Structure, Development and Reproduction in Flowering plants-I	**CO-1** Understand the basic body plan and diversity in flowering plant forms**.** **CO-2** Know the vegetative and reproductive morphology of plants. **CO-3** Familiarize with plants bearing the enclosed seeds.
SEMESTER-IV	
Paper – BOT-A Diversity of seed plants and their systematic -II	**CO-1** Understand the Phylogeny of angiosperms and the general range of variations in the group of angiosperms. **CO-2** Trace the history of development of systems of classification emphasizing angiospermic taxa. **CO-3** Learn about the characters and floral variations among biologically important families of angiosperms. **CO-4** Understand various rules, principles and recommendations of plant nomenclature produces in plant identification.
Paper – BOT-B Structure, Development and Reproduction in Flowering plants-II	**CO-1** Understand the scope &importance of Anatomy, various tissue systems and the normal &anomalous secondary growth in plants and their causes. **CO-2 K**now the methods of pollination and fertilization. **CO-3** Gain knowledge of Vegetative and Reproductive morphology of Angiosperms.
SEMESTER-V	
Paper – BOT-A Plant Physiology-I	**CO-1** Know importance and scope of plant physiology. **CO-2** Understand the plants and plant cells in relation to water. **CO-3** Learn about the movement of sap and absorption of water in plant body.
Paper – BOT-B Plant Ecology	**CO-1** Understand the basic concepts of ecology. **CO-2** Understand plant communities and ecological adaptations in plants. **CO-3** Learn about various present day problems such as Pollution, Global

	warming and climate change.
SEMESTER-VI	
Paper – BOT-A **Plant Physiology-II**	**CO-1** Understand the process of photosynthesis in higher plants with particular emphasis on light and dark reactions, C3 and C4 pathways. **CO-2** Understand the respiration in higher plants with particular emphasis on aerobic and anaerobic respiration. **CO-3** Learn the basic concepts in tissue culture. **CO-4** Understand the various plant movements.
Paper – BOT-B **Economic Botany**	**CO-1** Understand the role of plants and plant products in human welfare. **CO-2** Gain knowledge about chemical contents of the various plant products of economic use. **CO-3** Know about the utility of plant resources.

DEPARTMENT OF ZOOLOGY

Course Outcomes of B.Sc. (Zoology)

Course	Outcomes After completion of these course, students should be able to**;**
SEMESTER-I &II	
Paper name: Biodiversity: Non chordates and Cell Biology . **Paper code: ZOO 101 &102**	**CO 1:** The Zoological study of different phylum of chordates and non-chordates will enable students to gain knowledge of general classification of animals. **CO 2:** General characters and peculiarities of the Kingdom Animalia and their involvement in the environment will help students understand the concepts better. **CO 3:** The knowledge of biodiversity is essential for the processes that support all life on earth and will inculcate in them the importance of every surviving animal on the earth and necessity of their presence for the survival of the ecosystem. **CO4:** The study of cell Biology helps the students to understand the principles and applications of various types of biological equipments **CO 5:** Helps them to recognize the basic structure of a eukaryotic cell and functions of various organelles like plasma membrane, mitochondria etc. **CO 6**: It also comprehends eukaryotic cell cycle and cell division and the role of protooncogenes and tumor suppressor genes in cancer; mechanism and significance of apoptosis.
Paper Name: Ecology **Paper code: ZOO 201&202**	**CO 1:** The concept of Ecology provides the essential basis for nature conservation and maintaining a mosaic of habitats ensuring the survival of a rich variety of species. **CO 2:** It will enable the students to have an idea about the various pollutions in the ecosystem that are disturbing the balance of the nature.

	CO 3: The concept of sustainable development teaches the students to learn the optimum uses of the non-renewable resources of the earth **CO 4:** to apply methodologies for the use of renewable resources in the survival of the mankind and making predictions about future climate change.
Semester – III &IV	
Paper name: Biodiversity: Chordates &Evolution **Paper code: 301 &401**	**CO 1:** The Zoological study of different phylum of chordates and non-chordates will enable students to gain knowledge of general classification of animals. **CO 2:** General characters and peculiarities of the Kingdom Animalia and their involvement in the environment will help students understand the concepts better. **CO 3:** Identify major evolutionary transitions over time, and explain the tools and evidences that support current hypotheses of the history of life on earth. **CO 4:** Also, Comprehend the various theories of evolution and the mechanisms by which evolution occurs. **CO 5:** Recognize the significance of reproductive isolation in reducing gene flow between populations, biological and morphological species concepts **CO 6:** Distinguish between prezygotic and postzygotic barriers to reproduction along with review in the events in human evolution
Paper Name: Biochemistry and Animal physiology **Paper code: 302 &402**	**CO 1**: Understand how life works in a fundamental way--immense and indispensable daily life activities. **CO 2:** Its application used in clinical diagnosis, manufacture of various biological products, treatment of diseases, in nutrition, agriculture, etc. **CO 3:** Understand the metabolic processes by which energy is produced in cells and carbohydrates are synthesized and their biological roles. **CO 4:** Researches in this field will provide different job-oriented courses which will be beneficial to the students
SEMESTER- V &VI	
Paper Name: Developmental Biology and reproduction. **Paper Code: ZOO 501**	**CO 1:** Understanding the molecular, genetic, cellular and integrative aspects of building an organism. **CO 2:** It also gives the knowledge of normal developmental processes can aid in the understanding of developmental abnormalities and other fatal conditions like cancer.
Paper Name: Medical zoology and Parasitology **Paper Code: ZOO 502A &602A**	**CO 1:** The study of harmful microbes helps the students to know about the mode of infection of those pathogens. **CO 2:** Moreover, the control measures and the prophylactic measures will give a clear idea about how to manage the diseases **CO 3:** To design new medicines in combating the infections caused by harmful microbes.
Paper Name: Genetics **Paper Code: ZOO 601**	**CO 1**: Allelic and non-allelic gene interaction will help the students to gain knowledge in the life processes and will provide them scope in researches. **CO 2:** Comprehensive, detailed understanding of the chemical basis of heredity **CO 3:** Comprehensive and detailed understanding of genetic methodology and how quantification of heritable traits in families and populations provides insight into cellular and molecular mechanisms. **CO 4:** Understanding of how genetic concepts affect broad societal issues including health and disease, food and natural resources, environmental sustainability, etc.

	CO 5: Understanding the role of genetic mechanisms in evolution. **CO 6:** The knowledge required to to design, execute, and analyse the results of genetic experimentation in animal and plant model systems. **CO 7:** The ability to recognize the experimental rationale of genetic studies as they are described in peer-reviewed research articles and grantproposals to federal and other funding agencies.
Visits and Field Trips:	**CO 1:** Field Excursion conducted is very much beneficial to the students. **CO 2:** The visit to National Park or Sanctuary or Biosphere Reserve help the students to learn the various conservation strategies, both in-situ as well as ex-situ, for animals and plants. **CO 3:** This study provides them the idea about the status of different animals on the ecosystem and also the need of conservation of the threatened or endangered species.
Practical:	**CO 1:** The demonstrations of animal dissections will benefit the students to have an idea of the internal anatomy of the animal which will provide them a sound knowledge about the internal environment of the living animals.

DEPARTMENT OF COMPUTER APPLICATIONS

Course Outcomes of BCA

Course	**Outcomes** After completion of these course, students should be able to**;**
SEMESTER-I	
Paper Code- BCA-16-102 Fundamentals of Mathematical Statistics	CO-1: Students will learn how to calculate and apply measure of location and measure of dispersion –grouped and ungrouped data cases. CO-2: Students will be able to compute and interpret the result of bivariate and multivariate regression and correlation analysis. CO-3: Students will recognize and appreciate the connection between theory and applications. CO-4: Students will be able to communicate key statistical concept to non statisticians CO-5: Students will be familiar with a variety of examples where mathematics or statistics helps accurately explain abstract or physical phenomena .
Paper Code- BCA-16-103 Paper Name-Computer Fundamentals and Computing Software	CO-1: Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components CO-2: Understand the difference between an operating system and an application program, and what each is used for in a computer CO-3: Describe the organization and operation of a computer processor, primary and secondary memory and peripheral devices and to give computer specifications. CO-4: Understanding the concept of input and output devices of Computers and how it works. CO-5: Provide hands-on use of Microsoft Office 2010 applications Word,

	Excel and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.
Paper Code-BCA-16-104 Paper Name- Problem Solving Through C	CO-1. Students learn how build an algorithm for problems CO-2. Students learn basics of logic development using C-language CO-3. Enable students to create pictorial representations of the program CO-4. Enhance students programming concepts CO-5. Students learn basics of file handling.
Paper Code-BCA-16-105 Paper Name-Lab Based on Computer Fundamentals and Computing Software	CO-1.To introduce Basic Unix general purpose Commands CO-2.To creates documents using MS Word Word Processing Package. CO-3.To creates attractive presentations using MS Power Point. CO-4.Completion of the assignments will result in MS Office applications knowledge and skills. CO-5. Student will be able to compose, format and edit a word document.
Paper Code-BCA-16-106 Paper Name- Lab Based on Through C	CO-1.Develops basic understanding of computers, the concept of algorithm and algorithmic thinking. CO-2. Develops the ability to analyze a problem, develop an algorithm to solve it. CO-3.Develops the use of the C programming language to implement various algorithms CO-4. Develops the basic concepts and terminology of programming in general. CO-5. Introduces the more advanced features of the C language .
SEMESTER-II	
Paper Code-BCA-16-202 Paper Name-Computer Organization	CO-1. TO inculcate the skills of computer components and their connectivity CO-2. Presenting the students the skill of buses and architectures
Paper Code-BCA-16-203 Paper Name-Fundamental of Web Programming	CO-1 To enhance the students with the skills of website designing CO-2 To prepare the students with the connection of front end and back end.
Paper Code-BCA-16-204 Paper Name-Object Oriented Programming using C++	CO-1. Software Development capablility in c++ CO-2. GO handy with object oriented concepts and File handling
SEMESTER-III	
Paper Code-BCA-16-303 Paper Name-Information System Design And Implementation	CO-1.The key modeling concepts applicable to both structured approaches to systems development are examined. CO-2. An understanding suited to the needs of a business analyst, information systems selector or managerial consultant. CO-3. Understand and apply key principles of good user interface design. CO-4. Explain needs for software specifications also they can classify Different types of software requirements and their gathering techniques. CO-5.Justify role of SDLC in Software Project Development and they can evaluate importance of Software Engineering
Paper Code-BCA-16-305 Paper Name-Data	CO-1 To know the strategies for data storage, fetching, manipulation and analysis capability

Structures	CO-2 Students can further explore the ideas for stat storage and retrieval
Paper Code-BCA-16-306 Paper Name-Lab Based on Computer Numerical Methods	CO-1.Apply numerical methods to find our solution of algebraic equations using different methods under different conditions, and numerical solution of system of algebraic equations. CO-2.Apply various interpolation methods and finite difference concepts CO-3.Work numerically on the different methods through the theory of finite differences. CO-4.To learn important theorems, different formulae and practical applications of these statistical and optimization methods in the field of Computer Sciences and Applications. CO-5.Apply Mathematical Modeling and Solving Mathematical Problems with help of C language.
Paper Code- BCA-16-307 Paper Name-Data Structures	CO-1 To impart the technical and practical skills for implementation of data.
SEMESTER-IV	
Paper Code- BCA-16-403 Paper Name-Software Project Management	CO-1. Students can manage the project by using techniques available CO-2.Go for Managers and team leaders CO-3. Project builders can be developed
Paper Code-BCA-16-404 Paper Name-Operating System Concept and Linux	CO-1.Students can work with the core processors CO_2 To go for the operating system development CO-3Work in the scheduling techniques and deadlock handling mechanisms
Paper Code- BCA-16-406 Paper Name-Database Management System	CO-1 Students can handle the database very easily CO-2 understanding the power of database when connected with the front end
SEMESTER-V	
BCA-16-501 Paper Name- Computer Networks	CO-1: Study the basic taxonomy and terminology of the computer networking and enumerate the layers of OSI model and TCP/IP model. CO-2: Study Physical layer design issues, its functions and protocols. CO-3: Study Session layer design issues, Transport layer services, and protocols. CO-4: Acquire knowledge of Application layer and Presentation layer paradigms and protocols. CO-5: Gain core knowledge of Network layer routing protocols and IP addressing. CO-6: Study data link layer concepts, design issues, and protocols.
Paper Code-BCA-16-502 Paper Name-Discrete Mathematical	CO-1 : Students learn about topics such as logic and proofs, sets and functions, probability, recursion CO-2 : graph theory, matrices, Boolean algebra and other important discrete math concepts.

Structure	
Paper Code- BCA-16-503 Paper Name- Java Programming	CO-1: Students learn OOPs concepts develop Programs in Java using these concepts like Classes, Objects, Inheritance, and Polymorphism etc. CO-2: Learning implementation of Interfaces, Packages, Multithreading and Applet Programming
Paper Code- BCA-16-504 Paper Name- Web Application Development using PHP	CO-1: Learning PHP and developing forms using PHP CO-2: Overall Objective to learning Website Development.
Paper Code- BCA-16-505 Paper Name- Lab based on BCA-16-503	CO-1 To impart the technical and practical skills for implementation of data.
Paper Code- BCA-16-506 Paper Name- Lab based on BCA-16-504	CO-1: To impart the technical and practical skills for implementation of data.
Semester-VI	
Paper Code-BCA-16-601 Paper Name-E Commerce	CO-1.to inculcate employment skills by teaching e commerce as a subject CO-2To facilitate the students regarding development for the with Online business, shopping applications.
Paper CodeBCA-16-603 Paper Name-Computer Graphics and Multimedia	CO-1. To help the students in their career opportunities in graphics, multimedia, games development CO-2 Help the students for cartooning presentations 2D or 3D.
Paper Code-BCA-16-602 Paper Name-ApplicationDevelopment using VB.N	CO-1 To present the students with the application or software development in .Net and database linking advantages CO-2 To present testing and designing future ahead
Paper Code-BCA-16-605 Paper Name-Major Project and Seminar	CO-1 To prepare the students for the project development and the seminar presentations for building up their career opportunities. CO-2 Job opportunities in project development.
Paper Code- BCA-16-604 Paper Name- Lab based on BCA-16-603	CO-1: To impart the technical and practical skills for implementation of data.

Course Outcomes of M. Sc (IT)

Course	**Outcomes** After completion of these course, students should be able to**;**
SEMESTER-I	
Paper Code-MS-66	CO-1.Enable students to Identify and use Linux utilities to create and

Paper Name- Linux Administration And Programming	manage simple file processing operations, organize directory structures with appropriate security. CO-2.Students will be able to develop shell scripts to perform more complex tasks. CO-3.Students can effectively use the UNIX/Linux system to accomplish typical personal, office, technical, and software development tasks. CO-4. Enable students to Monitor system performance and network activities. CO-5.Student.effectively use software development tools including libraries, preprocessors, compilers, linkers, and make files.
Paper Code-MS-61 Paper Name-Software Engineering	CO-1 To present in detail the steps for the software development CO-2To present the students various testing strategies for the software CO-3 TO inculcate the designing process with various models
Paper Code-MS-62 Paper Name-Computer Algorithms	CO-1.Analyse the asymptotic performance of algorithms. CO-2.Write rigorous correctness proofs for algorithms. CO-3.Demonstrate a familiarity with major algorithms and data structures. CO-4.Apply important algorithmic design paradigms and methods of analysis. CO-5.Synthesize efficient algorithms in common engineering design situations.
Paper Code-MS-42 Paper Name-Operating System Concepts	CO-1.To understand the general architecture of computers. CO-2.To understand the contrast and compare differing structures for operating systems. CO-3.Understand and analyze theory and implementation of processes resources control physical and virtual memory scheduling I/O and files. CO-4.General understanding of structure of modern computers CO-5.Purpose,structure and functions of operating systems
Paper Code-MS-63 Paper Name-Minor Project Based On Linux Administration And Programming	CO-1.To familiarize the students with the Operating System. CO-2.To demonstrate the process, memory, file and directory management issues under the UNIX/ LINUX operating system CO-3.To introduce LINUX basic commands CO-4.To make students how to make simple programs in LINUX and administrative task of LINUX
Paper Code-MS-64 Paper Name-Minor Project Based On Computer	CO-1.Ability to choose appropriate algorithm design techniques for solving problems. CO-2. Ability to understand how the choice of data structures and the algorithm design CO-3. Methods impact the performance of programs. To clear up troubles

Algorithms	the usage of set of rules design methods including the CO-4. Grasping approach, divide and overcome, dynamic programming, backtracking and department and certain. CO-5.To understand the variations among tractable and intractable problems.
Semester-II	
Paper Code- MS-65 **Paper Name- E Commerce and Emerging Trends**	CO-1. Students can explore the electronic based applications for the self employment purpose CO-2 can go with advertisement developments, shopping sites.
Paper Code- MS-45 **Advance Java and Network Programming**	CO-1 Students can go for the networking programming and java programming based applications. CO-2 fruitful opportunities for the networking based apps.
Paper Code- MS-60 MS- **Paper Name-Advance DBMS and MYSQL**	CO-1.TO have a fruitful career in database connectivity CO-2 .To facilitate with the students for the management capability in database
Paper Code- MS-67 **Paper Name-Artificial Intelligence**	CO-1 Job opportunities in machine learning, sensors, robotics, expert system CO-2 Image Processing, Pattern Recognitions are the key topics to choose.
Paper Code- MS-27 **SEMINAR**	CO-1: Students will be able to show competence in working with a methodology, structuring their oral work, and synthesizing information.
Paper Code- MS-56 **Minor project based on MS-45 &MS-60**	CO1: Acquire skills to develop the software project. CO2: Understand the software development life cycle.
Paper Code- MS-68 **Minor project based on MS-67**	CO1: Acquire skills to develop the software project. CO2: Understand the software development life cycle.
Semester-III	
Paper Code-MS-32 **Paper Name-.NET Framework and C#**	CO-1. To inculcate the students for the software development using .NET CO-2. To improve the website designing skills with >NET and C#
Paper Code- **MS-69** **Paper Name-** **Theory of Computation**	CO-1.Demonstrate advanced knowledge of formal computation and its relationship to languages CO-2.Distinguish different computing languages and classify their respective types CO-3.Recognise and comprehend formal reasoning about languages CO-4.Show a competent understanding of the basic concepts of complexity theory

Paper Code-MS-39 **Paper Name- Computer Graphics**	CO-1.Critical understanding of the theory of 2D and 3D transformations, projection and viewing CO-2. Ability to find &combine relevant sources and synthesise designs CO-3. Detailed knowledge of the graphics pipeline CO-4. Detailed knowledge of shading and texture mapping algorithms CO-5. Broad knowledge of 3D modelling and rendering techniques
Paper Code-MS-14 **Paper Name-System Approach to Management And Optimization Techniques**	CO-1 To prepare the students for the Optimized solutions CO-2 Improving the students for Managerial Approaches
Paper Code-MS-33 **Paper Name-Minor Project Based on .NET Framework and C#**	CO-1 To inculcate the website designing concepts using .NET and C# CO_2 To prepare the students for connectivity CO-3 To prepare the students with the software developmen
Paper Code-MS-59 **Paper Name-Minor Project Based on Computer Graphics**	C0-1.Ability to understand, design and implement scene graphs CO-2. Practical skills in graphics programming including sc CO-3.General critical analysis, evaluation and synthesis of ideas for the design of their project CO-4. Representation of, planning for, and solution of problems
Paper Code- MS-27 **SEMINAR**	CO-1: Students will be able to show competence in working with a methodology, structuring their oral work, and synthesizing information.
Semester-IV	
Major project	Outcome: Internship for the software Carrier. The best outcome is student can place in a software company as software engineer, website developer, and System analyst.

Course Outcomes –B.Voc(Software Development)

Course	**Outcomes** After completion of these course, students should be able to;
SEMESTER-I	
Paper Code- ***GEN-102** **Paper Name-** **Fundamentals of Information Technology I**	CO-1: Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components CO-2: Understand the difference between an operating system and an application program, and what each is used for in a computer CO-3: Describe the organization and operation of a computer processor, primary and secondary memory and peripheral devices and to give computer specifications.

	CO-4:Understanding the concept of input and output devices of Computers and how it works.
Paper Code-SD 103 **Paper Name-Logic Development Techniques**	CO-1. Students learn how build an algorithm for problems CO-2. Students learn basics of logic development using C-language CO-3. Enable students to create pictorial representations of the program CO-4. Enhance students programming concepts
Paper Code-SD 104 **Paper Name-Fundamentals of Information Technology II**	C0-1: Provide hands-on use of Microsoft Office 2010 applications Word, Excel, Access and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.
Paper Code-SD 105 **Paper Name-Internet Application**	CO-1: Understanding basics of HTML CO-2: Learning fundamentals of JavaScript's and JavaScript objects CO-3: Learning PHP and developing forms using PHP CO-4: Overall Objective to learning Website Development.
Semester-II	
Paper Code-SD 108 **Paper Name- Relational Database Management System**	CO-1 Students can handle the database very easily CO-2 understanding the power of database when connected with the front end
Paper Code- SD 109 **Paper Name- RDBMS using MYSL**	CO-1. To have a fruitful career in database connectivity. CO-2. To facilitate with the students for the management capability in database.
Paper Code- SD 110 **Paper Name Programming in C Language**	CO-1. Students learn how build an algorithm for problems CO-2. Students learn basics of logic development using C-language CO-3. Enable students to create pictorial representations of the program CO-4. Enhance students programming concepts CO-5. Students learn basics of file handling.
Paper Code- SD 111 **Paper Name-PC maintenance and trouble shooting**	CO-1: Students will be able to identify the essential components of a computer; CO-2: Students will be able to describe the function of the essential components of a computer; CO-3: Students will be able to recommend hardware; CO-4: Students will be able to develop a computer system proposal/presentation for a client; CO-5: Students will be able to troubleshoot hardware components; CO-6: Students will be able to assemble a computer with essential components;
Paper Code- **SIT-201 **Paper Name- Summer Industrial Training**	CO-1: Student is able to construct the company profile by compiling the brief history, management structure, products / services offered, key achievements and market performance for his / her organization of internship. CO-2: For his / her organization of internship, the student is able to assess its Strengths, Weaknesses, Opportunities and Threats (SWOT).

	CO-3: Student is able to determine the challenges and future potential for his / her internship organization in particular and the sector in general. CO-4: Student is able to test the theoretical learning in practical situations by accomplishing the tasks assigned during the internship period.

Course Outcomes PGDCA	
Course	**Outcome**
Paper Code- PGD-1101 **Paper Name- Computer Fundamentals**	CO-1: Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components CO-2: Understanding the concept of input and output devices of Computers and how it works. CO-3: Describe the organization and operation of a computer processor, primary and secondary memory, and peripheral devices and to give computer s specifications. C0-4: Provide hands-on use of Microsoft Office 2010 applications Word, Excel, Access and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills. CO-5: Understand the difference between an operating system and an application program, and what each is used for in a computer.
Paper Code-PGD- **1102** **Paper Name-** **Computer** **Programming** **Using C**	CO-1:Students learn how build an algorithm for problems CO-2: Students learn basics of logic development using C-language CO-3: Enable students to create pictorial representations of the program CO-4: Enhance students programming concepts and learn basics of file handling.
Paper Code-PGD- **1103** **Paper Name-Data** **Base Management**	CO-1: The key goal is to prepare students for a professional career in the field of data administration and database design. CO-2: To get acquaint students with good

System	knowledge of DBMS. During the course, students will learn about database design and database handling activities. CO-3: Learn how to develop a detailed specification for an information system that can fulfill these requirements.

	CO-4: Understand that the successful systems analyst needs to have a broad understanding of organizations, organizational culture, organizational change, organizational operations, and business processes.
Paper Code-PGD-1104 **Paper Name-Data Communication and Networks**	CO-1: Study the basic taxonomy and terminology of the computer networking and enumerate the layers of OSI model and TCP/IP model. CO-2: Study Physical layer design issues, its functions and protocols. CO-3: Study Session layer design issues, Transport layer services, and protocols. CO-4: Acquire knowledge of Application layer and Presentation layer paradigms and protocols. CO-5: Gain core knowledge of Network layer routing protocols and IP addressing. CO-6: Study data link layer concepts, design issues, and protocols.
Paper Code-PGD-PR-1105 **Paper Name-Lab I Based on PGD-1102 AND PGD-1101**	CO-1: Develops the ability to analyze a problem, develop an algorithm to solve it. CO-2:Develops the use of the C programming language to implement various algorithms CO-3: Develops the basic concepts and terminology of programming in general. CO-4: Completion of the assignments will result in MS Office applications knowledge and skills. CO-5: To introduce Basic Unix general purpose Commands.
Paper Code-PGD-PR-1106 **Paper Name-Lab Based on PGD-1103**	CO-1: Knowledge & Understanding : Databases and their design & development CO-2: Intellectual Cognitive/ analytical skills: Normalization of Databases. CO-3: Practical Skills: Using SQL and PL/SQL. CO-4: Transferable skills: Usage of DBMS design and administration. CO-5: Gather data to analyze and specify the requirements of a system.

Course	Outcomes PO-1: Students can go for logic development using various languages like C, Java PO-2: Develop Database Management and Website Development Skills PO-3: Basic Understanding of Computer Based accounting
PGDCA SEMESTER-II	
Paper Code-PGD-2101 Paper Name-Object Oriented Concepts using JAVA	CO-1: Students learn OOPs concepts develop Programs in Java programming using these concepts like Classes, Objects, Inheritance and Polymorphism etc. CO-2: Learning implementation of Interfaces, Packages, Multithreading and Applet Programming
Paper Code-PGD-2102 Paper Name-Web Technologies	CO-1: Understanding basics of HTML CO-2: Learning fundamentals of JavaScript's and JavaScript objects CO-3: Learning PHP and developing forms using PHP CO-4: Overall Objective to learning Website Development.
Paper Code-PGD-2103 Paper Name-Software Engineering	CO-1: Learning Software Engineering Fundamentals and Software Process Models CO-2: Understanding Software Project Management, Software Project Estimation and Risk Management CO-3: Learning Software Design Process and various Structured Analysis and Design tools CO-4: Learning various types of Software Testing processes and assuring Software Quality and Maintenance
Paper Code-PGD-2104 Paper Name-Computer Based Accounting	CO-1: Learning Accounting Principles, Concepts and Conventions CO-2: Learning double entry system CO-3: Learning development of Finals Accounts, Computerized Final Accounts CO-4: Learning use of Accounting Package Tally
Paper Code-PGD-PR- 2105 Paper Name- Lab 3 (Practical based on PGD- 2101)	CO-1: development of JAVA programs using concepts learned in PGD- 2101
Paper Code-PGD-PR- 2106 Paper Name-Lab 4 (Practical based on PGD-2102)	CO-1: development of Web Applications using HTML, JavaScript and PHP using concepts learned in PGD-2102
Paper Code-PGD-2107 Paper Name-Project Work	CO-1: Developing Major Project on any database application using any database development tool is to be developed/ Development of a Website using Database Connectivity
B.Sc.(Computer Applications)	

Semester-I	
Paper Code- CA01 Paper Name- Fundamentals of IT	CO-1: Learning Basic Computer fundamentals and Use of Programming Fundamentals CO-2: Understanding Number System and Character Codes, Operating System using DOS and Windows
Paper Code- CA02 Paper Name- Application Software	CO-1: Learning Word Processing using Microsoft Word and concepts of Working with spreadsheets using Microsoft Excel CO-2: Learning Presentation Software e.g. Microsoft PowerPoint CO-3: Learning concepts of working with Databases
Paper Code- PCA01 Paper Name- Practical Based on CA01 and CA02	CO-1: Learning Practical use of computers CO-2: Learning MS Word, MS Excel, MS PowerPoint and Database Creation
Semester-II	
Paper Code- CA03 Paper Name- C Programming Language	CO-1: Learning history of C, Basic structure of C and Fundamentals of C Language CO-2: Learning Control Constructs, Preprocessors, Functions CO-3: Learning Arrays, Strings, Pointers, Structures in C CO-4: Learning File Handling in C
Paper Code- CA04 Paper Name- Operating System Concepts	CO-1: Learning various types of Operating Systems CO-2: Learning process management CO-3: Learning Deadlock Handling CO-4:Learning Memory Management techniques, File system and
	Device Management
Paper Code- PCA02 Paper Name- Practical Based on CA03	CO-1: development of C programs using concepts learned in CA03
Semester-III	
Paper Code- CA05 Paper Name- Programming in C++	CO-1: Learning Object Oriented Concepts and C++ basics CO-2: Learning implementation of Classes, Objects, Constructors and Destructors, Functions, Arrays in C++ CO-3: Learning Inheritance, Polymorphism, Console I/O operations CO-4 : Learning File Handling in C++
Paper Code- CA06 Paper Name- Web Designing	CO-1: Learning basic Web terminology and various concepts under HTML like lists, tables, images, links, frames, CSS etc. CO-2: Understanding basic concepts and built-in objects in JavaScript CO-3: Creating WebPages using Dreamweaver
Paper Code- PCA03 Paper Name- Practical Based on CA05 and CA06	CO-1: development of C++ programs using concepts learned in CA05 CO-2: Creating WebPages using HTML, JavaScript CO-3: Creating WebPages in Dreamweaver
Semester-IV	

Paper Code- CA07 Paper Name- Data Structure	CO-1: Learning basic concepts of Data Structure CO-2: Learning various operations on different Data Structures like Arrays, Linked Lists, Stacks, Queues, Trees and Graphs. CO-3: Understanding various types of Searching techniques CO-4: Understanding various types of Sorting techniques
Paper Code- CA08 Paper Name- Java Programming	CO-1: Students learn OOPs concepts develop Programs in Java using these concepts like Classes, Objects, Inheritance, and Polymorphism etc. CO-2: Learning implementation of Interfaces, Packages, Multithreading and Applet Programming
Paper Code- PCA04 Paper Name- Practical Based on CA07 and CA08	CO-1: development of Java programs using concepts learned in CA07 CO-2: development of C++ programs for operations on various Data Structures learned in CA08
Semester-V	
Paper Code- CA09 Paper Name- Programming with VB .NET	CO-1: Understanding Visual Studio .NET IDE CO-2: Understanding Basics of VB .Net CO-3: Learning Procedures, Arrays, Strings and Designing Menus in VB .Net CO-4: Working with Data and ADO .NET
Paper Code- CA10 Paper Name- Database Management using Oracle	CO-1: Learning Basic Database Concepts CO-2: Understanding DDL, DML, DCL,TCL commands under SQL CO-3: Managing Privileges, Learning various Functions, Joins, and SET Operators in SQL CO-4: Leaning PL/SQL Basics, Cursor Management, Exception Handling and Exceptions in PL/SQL
Paper Code- PCA05 Paper Name- Practical Based on CA09 and CA10	CO-1: development of VB .Net programs using concepts learned in CA09 CO-2: Managing database using SQL and PL/SQL learnt in Ca10
Semester-VI	
Paper Code- CA11 Paper Name- Computer Networks	CO-1: Understanding Computer Networks and its applications CO-2: Understanding Data Communication, Network Devices CO-3: Understanding Network Models

B.A.(Computer Science)
Semester-I

Paper Code- CS01 Paper Name- Computer Fundamentals	CO-1: Learning Basic Computer fundamentals and Use of Programming Fundamentals CO-2: Understanding Number System and Character Codes, Operating System using DOS and Windows
Paper Code- CS02 Paper Name- PC Software	CO-1: Learning Word Processing using Microsoft Word and concepts of Working with spreadsheets using Microsoft Excel CO-2: Learning Presentation Software e.g. Microsoft PowerPoint CO-3: Learning concepts of working with Databases
Paper Code- PCS01 Paper Name-Practical Based on Paper CS01	CO-1: Learning Practical use of computers CO-2: Learning MS Word, MS Excel, MS PowerPoint and Database Creation
Semester-II	
Paper Code- CS03 Paper Name- Operating System Concepts	CO-1: Learning various types of Operating Systems CO-2: Learning process management CO-3: Learning Deadlock Handling CO-4:Learning Memory Management techniques, File system and Device Management
Paper Code- CS04 Paper Name- C Programming Language	CO-1: Learning history of C, Basic structure of C and Fundamentals of C Language CO-2: Learning Control Constructs, Preprocessors, Functions CO-3: Learning Arrays, Strings, Pointers, Structures in C CO-4: Learning File Handling in C

Paper Code- PCS02 Paper Name- Practical Based on Paper - CS04	CO-1: development of C programs using concepts learned in CS04
Semester-III	
Paper Code- CS05 Paper Name- Computer Organization	CO-1. TO inculcate the skills of computer components and their connectivity CO-2. Presenting the students the skill of buses and architectures

Paper Code- CS06 Paper Name- Object Oriented Programming using(C++)	CO-1: Learning Object Oriented Concepts and C++ basics CO-2: Learning implementation of Classes, Objects, Constructors and Destructors, Functions, Arrays in C++ CO-3: Learning Inheritance, Polymorphism, Console I/O operations CO-4 : Learning File Handling in C++
Paper Code- PCS03 Paper Name- Practical Based on Paper CS06	CO-1: development of C++ programs using concepts learned in CS06
Semester-IV	
Paper Code- CS07 Paper Name- Database Concepts	CO-1: Learning Basic Database Concepts CO-2: Understanding DDL, DML, DCL,TCL commands under SQL CO-3: Managing Privileges, Learning various Functions, Joins, and SET Operators in SQL CO-4: Leaning PL/SQL Basics, Cursor Management, Exception Handling and Exceptions in PL/SQL
Paper Code- CS08 Paper Name- Data Structures	CO-1: Learning basic concepts of Data Structure CO-2: Learning various operations on different Data Structures like Arrays, Linked Lists, Stacks, Queues, Trees and Graphs. CO-3: Understanding various types of Searching techniques CO-4: Understanding various types of Sorting techniques
Paper Code- PCS04 Paper Name- Practical Based on Paper CS08	CO-1: development of C++ programs for operations on various Data Structures learned in CS08
Semester-V	
Paper Code- CS09 Paper Name- Project Management	CO-1: Students can manage the project by using techniques available CO-2: Go for Managers and team leaders CO-3: Project builders can be developed
Paper Code- CS10 Paper Name- Relational Database Management	CO-1: To have a broad understanding of database concepts and database management system software CO-2: To have a high-level understanding of major DBMS components and their function CO-3: To be able to model an application's data requirements using conceptual modeling tools like ER diagrams and design database schemas based on the conceptual model. CO-4: To be able to write SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS. CO-5: To be able to program a data-intensive application using

	DBMS APIs.
Paper Code- PCS05 Paper Name- Practical Based on Paper CS10	CO-1: Managing database using SQL and PL/SQL learnt in CS10
Semester-VI	
Paper Code- CS11 Paper Name- E-Commerce	CO-1: To inculcate employment skills by teaching e commerce as a subject CO-2: To facilitate the students regarding development for the with Online business, shopping applications.
Paper Code- CS12 Paper Name- Web Programming	CO-1: Learning basic Web terminology and various concepts under HTML like lists, tables, images, links, frames, CSS etc. CO-2: Understanding basic concepts and built-in objects in JavaScript CO-3: Creating WebPages using Dreamweaver
Paper Code- PCS06 Paper Name- Practical Based on Paper CS12	CO-1: Practical implementation of basic concepts and built-in objects in JavaScript CO-2: Creating WebPages using Dreamweaver

B.A.(Information Technology)	
Semester-I	
Paper Code- A Paper Name- Computer Fundamentals	CO-1: Learning Basic Computer fundamentals and Use of Programming Fundamentals CO-2: Understanding Number System and Character Codes, Operating System using DOS and Windows
Paper Code- C Paper Name-Practical Based on A	CO-1: Learning Practical use of computers CO-2: Learning MS Word, MS Excel, MS PowerPoint and Database Creation
Semester-II	
Paper Code- B Paper Name- Computer Programming using C	CO-1: Learning history of C, Basic structure of C and Fundamentals of C Language CO-2: Learning Control Constructs, Preprocessors, Functions CO-3: Learning Arrays, Strings,

	Pointers, Structures in C CO-4: Learning File Handling in C

	Device Management
Paper Code- D Paper Name- Practical on Paper-B	CO-1: development of C programs using concepts learned in Paper-B
Semester-III	
Paper Code- A Paper Name- Computer Programming using C++	CO-1: Learning Object Oriented Concepts and C++ basics CO-2: Learning implementation of Classes, Objects, Constructors and Destructors, Functions, Arrays in C++ CO-3: Learning Inheritance, Polymorphism, Console I/O operations CO-4 : Learning File Handling in C++
Paper Code- C Paper Name- Practical on Paper-A	CO-1: development of C++ programs using concepts learned in Paper-A CO-2: Creating WebPages using HTML, JavaScript CO-3: Creating WebPages in Dreamweaver
Semester-IV	
Paper Code- B Paper Name- Data Networks and Web Based Applications	CO-1: Understanding Computer Networks and its applications CO-2: Understanding Data Communication, Network Devices CO-3: Understanding Network Models CO-4: Learning basic Web terminology and various concepts under HTML like lists, tables, images, links, frames, CSS etc. CO-5: Understanding basic concepts and built-in objects in JavaScript CO-6: Creating WebPages using Dreamweaver
Paper Code- D Paper Name- Practical on Paper-B	CO-1: development of programs using concepts learned in Paper-B
Semester-V	
Paper Code- A Paper Name- Database System and VB.NET	CO-1: Learning Basic Database Concepts CO-2: Understanding DDL, DML, DCL,TCL commands under SQL CO-3: Managing Privileges, Learning various Functions, Joins, and SET Operators in SQL CO-4: Understanding Visual Studio .NET IDE CO-5: Understanding Basics of VB .Net CO-6: Learning Procedures, Arrays, Strings and Designing Menus in VB .Net

	CO-7: Working with Data and ADO .NET
Paper Code-C **Paper Name-** **Practical on Paper-C**	CO-1: development of VB .Net programs using concepts learned in CA09 CO-2: Managing database using SQL and PL/SQL learnt in Ca10
Semester-VI	
Paper Code- B **Paper Name- Linux Administration**	CO-1: Learning Linux basics CO-2: Understanding I/O Redirection and Piping, Process Management and Vi editor CO-3: Learning Shell Programming CO-4: Understanding System Administration activities
Paper Code- PCA06 **Paper Name-Minor Project Based on VB.Net, Linux**	CO-1: Practically executing Linux commands CO-2: Development of simple shell programs CO-3: development of VB .Net programs using concepts learned

DEPARTMENT OF ECONOMICS

Course Outcomes of B.A.

Course	**Outcomes** After completion of these course, students should be able to**;**
SEMESTER-I	
Microeconomics	CO 1- Understanding about classical and modern economists. CO 2- Understanding about the difference between Sciences and Social Sciences. CO 3- Analyze various micro concepts of Economics like Demand, Supply, production, Rent, Wages, Interest, Profit etc. CO 4- Awareness about different markets such as Monopoly, Perfect Competition, Monopolistic Competition, Oligopoly. CO 5- Apply the knowledge in understanding the actual market situations.
Semester II	
Macroeconomics	CO 1- Differentiate between Micro and Macro Economics. CO 2- Understanding about the Consumption Function, National Income, Per capita Income, Unemployment, Inflation and many more concepts. CO 3- Understanding about the various policies and its implementation in economy. CO 4- Able to interpret the economic position of an economy by analyzing the available data. CO 5- Understanding of inflation, how it effects the economy. CO 5- Apply the knowledge in understanding the actual market situations.

Semester II	
Public Finance and International Economics	CO 1- Differentiate between Public and private finance and their usage. CO 2- Understanding about theories of public finance and how it effects economic decisions. CO 3- Analyzing the relevance of taxes in an economy and role of the Government in smooth functioning of an economy. CO 4- Understanding of International Trade, trade barriers, Balance of Payments, Balance of Trade, disequilibrium in terms of Trade etc. CO 5- Analyzing the current economic relations of Indian Economy with respect to other countries.
Semester IV	
Quantitative Methods	CO 1- Understanding the various terms of mathematics and their applications. CO 2- Understanding about matrices, differentiation and its application in business economics. CO 3- Understanding of mathematics and statistics simultaneously. CO 4- Understand about the Calculations of Mean, Median, Measure of Dispersion and Skewness. CO 5- Describing the components of time series, apply time series analysis in business scenarios, illustrate the different types of index numbers, and calculate index numbers.
Semester V	
Development Economics	CO 1- Differentiate between National Income and real national Income, Per capita Income and Real per capita Income. CO 2- Differentiate between Growth and development. CO 3- Understanding the various growth models given by different economists and their relevance in economy. CO 4- Able to understand about how growth can be promoted in an economy. CO 5- Understanding about the relevance of planning in an economy.
Semester VI	
Indian Economy	CO 1- Understanding Indian Economy before and after Independence. CO 2- Understanding and analyzing the worth of LPG in present context. CO 3- Analyzing the difference between Planning Commission and NITI Aayog and its effects on Indian Economy. CO 4- Relevance of planning in an economy. CO 5- Understanding of basic structure of an economy and contribution of different sectors in economy.

DEPARTMENT OF HISTORY

Course Outcomes of B.A. (history)

Course	Outcomes After completion of this course students should be able to;
Semester-I	
History of India upto 1200 A.D.	CO-1. Understand the major sources of Ancient Indian history. CO-2.Understand the salient features of Indus valley civilization. CO-3.Understand the vedic culture ,society ,economy ,polity and religion. CO-4.Evaluate the features of Buddhism and Jainism. CO-5.Visualize the administration of Mauryas and the Dhamma of Ashoka. CO-6.Identify the achievements of Gupta Empire and their cultural and scientific developments. CO-7.Know about the Pallava ,Chola and Pandya dynasties. CO-8.Understand about the origion of Rajputs. CO-9.Understand the important ancient historical places on map of India and extent of Mauryan Empire.
Semester-II	
History of India 1200-1750 A.D.	CO-1. Understand the foundation of the Delhi sultanate and the Sultanate administration. CO-2.Recognise the Socio, economic and religious conditions under Vijayanagar Empire. CO-3. Identify the condition of India under the Mughal Empire. CO-4. Explain the Administration and decline of Mughals. CO-5.Analyse the rise of the Marathas and the contribution of Shiva ji. CO-6.Understand the important historical places of medieval India on map of India.
Semester-III	
History of India 1750-1964 A.D.	CO-1.Discuss the advent of Europeans and their administration. CO-2.Evaluate the various causes of revolt of 1857 and its results. CO-3.Understand the British agrarian policies and deindustrialization. CO-4.Understand about the Socio-religious reform movements in 19th century. CO-5. State the role of moderates and extremists in the freedom movement. CO-6.Discuss the making of new constitution. CO-7.Understand the important historical places of Modern India on map of India.
Semester-IV	
History of Punjab 1469-1849A.D.	CO-1. Understand the foundation of sikh religion. CO-2. Evaluate the life and teachings of Guru Nanak Dev ji. CO-3. Understand the contribution all guru in spread of Sikhism. CO-4. Explain the region of Maharaja Ranjit Singh.

	CO-5. Understand the role of Banda Bahadur in history of Punjab and Misil period history. CO-6 Understand the important historical places of Punjab on the map of Punjab
Semester-V	
History of Punjab 1849-1966	CO-1 Explain the British administration after the annexation of Punjab CO-2 Understand the British agrarian policies. CO-3 Understand the introduction of modern education. CO-4 Learn about the socio-religious activities. CO-5 Explain the growth of political consciousness. CO-6 Understand the formation of Punjabi suba and reorganization act 1966. CO-7 Understand about the historical places of Punjab.
Semester-VI	
World History 18th to 20th century	CO-1Understand the rise of modern world. CO-2 Evaluate the American revolution and French revolution. CO-3 Discuss the rise of new type of imperialism in the world. CO-4 Understand the division of Europe into two parts and World War- I CO-5 Evaluate the World War-II and modernization of China and Japan. CO-6 Identify World Historical places on map of World. CO-7 Discuss the role of napoleon in the world political system. CO-8 Understand the major events of unification Italy and Germany.

Course Outcomes M.A. (History)

Semester-I	
Course	Outcomes After completion of these courses students should be able to ;
Paper- History of Punjab 15th to 17th Century	CO-1.The students know the entire picture about history of Punjab during 15th to 17th century. CO-2.The students can prepare for further competitive exam.CO-3.The students can join teaching or research.

Paper- Ancient India	CO-1. The students know the major movements and events that took place in Ancient India. CO-2. The students can think about how changes came to our society. CO-3. The students can join educational fields for research.
Paper – Medieval India	CO-1.To gather knowledge about the rulers of medieval India and best practices followed by them. CO-2. To gather knowledge about the social changes during medieval times.
Paper – Modern India	CO-1.The students know the modern India in various aspects.CO-2. The students can go in the field of research

Semester-II

Course	Outcomes After completion of these courses students should be able to ;

Paper – History of Punjab during 18th Century	CO-1.The students know the movements of Punjab and its history. CO-2.The students know about the wars and major political changes in the history of Punjab.
Paper – Agrarian economy of medieval India	CO-1.The students will come to know about changes in agriculture during sultanate and Mughal period . CO-2. The students can go for research in agriculture development.
Paper – china & japan (1840-1950)	CO-1. The students can gain their knowledge through the different movements and developments in the history of China and Japan. CO-2. The students will know about the different events and renowned leaders.
Paper – USA (1820-1973)	CO-1. The students know the changes came in USA from timeto time. CO-2. The students can go for research on USA models for development.

Semester-III

Course	Outcomes After completion of these courses students should be able to ;
Paper – Punjab in 19th Century	CO-1.To introduces students to major movements in Punjab during 19th century. CO-2.The students know about the wars of Punjab in 19th century.
Paper – Rise and Growth of colonialism in India	CO-1.Students will know about the colonial and imperial history and Diaspora. CO-2. Students can know about different theories of colonialism and modernization.
Paper – Gender Relations in modern India	CO-1.The students know the different changes in women upliftment through the history of gender . CO-2. It gives knowledge about the women participation in freedom struggle and role after independence.
Paper – National movement in India 1858-1947	CO-1. To recognize and explain historical trends (i.e historiography). CO-2. Study of national movement develops feeling of patriotism in the hearts of learners.

Semester-IV

Course	Outcomes After completion of these courses students should be able to ;
Paper – Punjab in 20th Century	CO-1.To introduces students to major movements in Punjab during 20th century. CO-2.The students know about the partition and demographics of Punjab in 20th century.

Paper – History & Historical Method	CO-1.To instills values and use of historical data for finding out more past facts. CO-2. Students can go in the field of Research.
Paper – Religious Development in Medieval India	CO-1.The students know thoughts developed in religion from time to time. CO-2. The students can think about the religious Developments and social developments.
Paper – Socio- Religious Reforms movements in Modern India	CO-1.The students will come to know the social issues with critical attitude. CO-2.The Students will come to know the major reforms movement in Modern India. CO-3.The students can think about social changes.

DEPARTMENT OF PHYSICAL-EDUCATION

Course Outcomes of B.A. (physical-education)

Course	Outcomes After completion of this course students should be able to;
Semester-I	
Physical Education paper code- 0138	CO-1.Know About pre and post independence development of physical eduction in India. CO-2.Comprehensive knowledge about ancient Olympic games &modern Olympic games, Common wealth and Asian games. CO-3.Complete knowledge about the various schemes in sports and their function. CO-4.Improved knowledge of rules and regulation of handball.
Semester-II	
Physical Education paper code- 0138	CO-1.Comprehensive knowledge about anatomy and physiology of muscular system. CO-2.Learn about the importance of warming-up and cooling down in sports and its significance. CO-3.Learn about components of physical fitness. CO-4.Complete knowledge about the importance of health education in our daily life CO-5.Understand the biological basis of physical education.
Semester-III	

Physical Education paper code- 0338	CO-1.Able to know psychological characteristics and identify problem of adolescence. CO-2.To know about importance of motivation in physical education and sports. CO-3.Learn about various factors affecting the development of personality. CO-4.Learn about measurement and layout of field. CO-5.Learn basic fundamentals of softball.
Semester-IV	
Physical Education paper code- 0338	CO-1.Comprehensive Knowledge about anatomy and physiology of different human organ like circulatory, respiratory and digestive system. CO-2.Know about the basic fundamental about tennis. CO-3.Know about the importance of yoga. CO-4.Know about basic of common sports injuries and their remedies. CO-5.Know about the problem of disable person and their physical activities.
Semester-V	
Physical Education paper code- 0535	CO-1.Knowledge about various theories of play and significant in physical education and sports. CO-2.Understanding the meaning, importance and conduct of intramural and extramural competition. CO-3.Know about draw of fixtures of various tournaments. CO-4.Understanding the meaning of physical deformities and their remedies. CO-5.Learn about effects of massage on skin, blood circulation, nervous system and muscles.
Semester-VI	
Physical Education paper code- 0535	CO-1. Structural and functional knowledge about, nervous system, excretory system and endocrine system. CO-2. Know about effects of physical exercises on muscular, respiratory and circulatory systems of the body. CO-3..Knowledge about career options in physical education. CO-4.Learn about qualification and characteristics of a coach.

Department of Political-Science

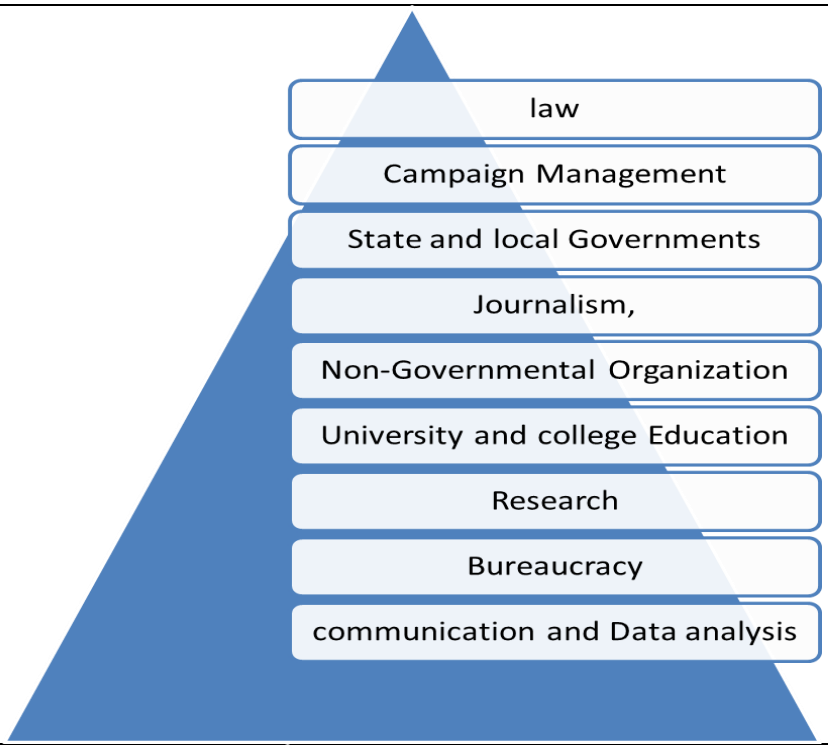
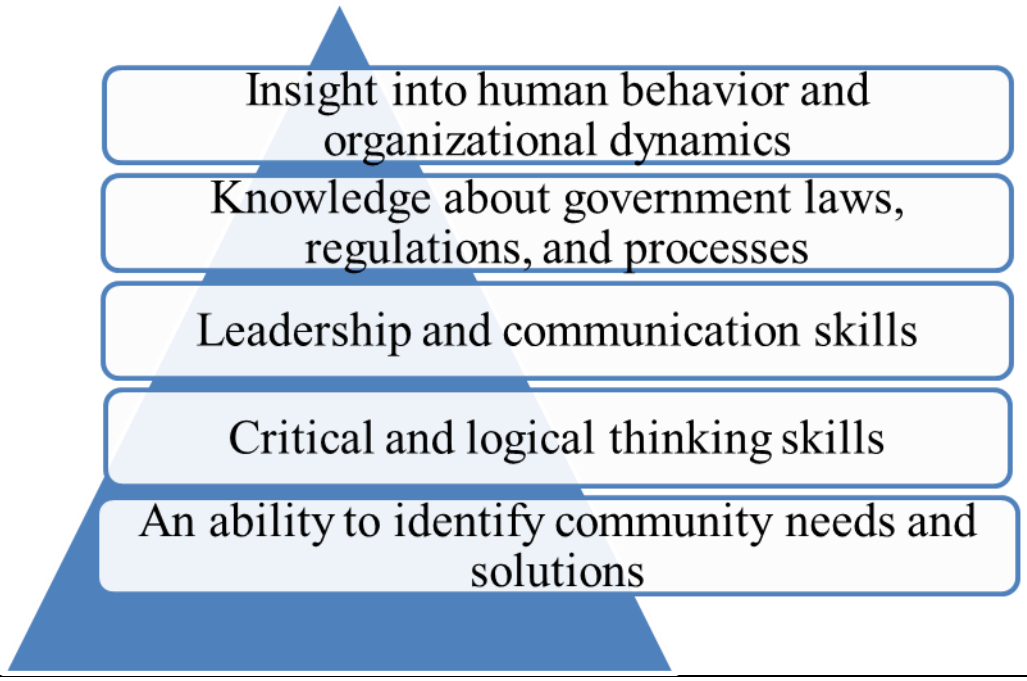
Programme Outcomes: Political Science

B.A(Political Science) B.A.B.ED Integrated(Political Science)

Course:	Outcomes:
B.A B.A.B.ED Integrated	A Bachelor degree in Political Science can lead to powerful careers in local and State Governments, law, International organizations, Non-Profit organizations, Campaign Management, Journalism, Research, University and College Education, Communication and Data analysis and Bureaucracy.

FIRST SEMESTER Paper:Political Theory-l B.A-0033 BABED-POLO11	CO-1. Students enable to understand the nature and scope of Political theory. CO-2. Students enable to understand the various traditional and modern theories of political science. CO-3.Assessing the theories of State (Origin, Nature,Functions): Social Contract Theory with special Reference to Hobbes, Locke, Rousseau. CO-4. Evaluating the theories of the State: Liberal and Neo-liberal Theory, Marxist theory and Gandhian theory. CO-5. Analyzing the concept of Sovereignty of the State. Discussing Monistic Theory, Pluralistic Theory, Doctrine of Popular Sovereignty
SECOND SEMESTER Paper:-Political Theory-ll Sub-code: 1.B.A-0135 2.BABED-POLO21	CO-1. To learn the origin of the concepts such as Power, Authority and Legitimacy. CO-2. Accessing the concepts of Rights , Duties and their Relationship. CO-3.Understanding basic concepts of Liberty, Equality and Justice. CO-4. Analyzing the Concept of Democracy: Nature,Features and Critique. CO-5. Examining the theory of Democracy: Elite & Marxist.
THIRD SEMESTER Paper:Indian Government & Politics Sub-code 1.B.A-0234 2.BABED-POLO32	CO-1.Introducing the Indian Constitution with a focus on the role of the Constituent Assembly and examining the essence of The Preamble. CO- 2. Examining the Fundamental Rights and Duties of Indian citizens with a study of the significance and status of Directive Principles. CO-3.Assessing the nature of Indian Federalism with focus on Union-StateRelations. CO 4- Critically analyzing the important institutions of the Indian Union: The Executive: President; Prime Minister, Governor, Chief Minister and Council of Ministers; The legislature: Rajya Sabha, LokSabha, Speaker, State Legislature, The Judiciary: Supreme Court and the HighCourt. CO-5. Students enable to know the salient features of Indian Constitution.
	CO-1.Students enable to evaluate the evolution, functioning and

FOURTH SEMESTER Paper:Indian Politics Sub-code: 1. B.A-0334 2.BABEDPOLO42	Consequences of political parties & pressure groups in India. CO-2.Critically evaluating the Indian Party system–its development and looking at the ideology of dominant national & regional parties. CO-3 Evaluating the role of various forces on Indian politics: Religion, language, Caste, Regionalism. CO-4 Evaluating the Electoral Process in India with focus on the Election Commission: Composition, Functions and Role. CO-5.Examining Indian Foreign Policy: Basic Principles,Its determinants, Non alignment& its relevance CO-6.(B.A.B.ED). Students enable to Understand the meaning of the E-Governance in India: Advantages and Disadvantages of E-governance.
FIFTH SEMESTER Paper :Comparative PoliticalSystems(UK&USA Sub-code 1.B.A-0426 2.BABEDPOLO53	CO-1.Tracing the evolution of Comparative Politics as a discipline and drawing a distinction between Comparative Politics and Comparative Government. CO-2.Investigating the nature and scope of Comparative Politics. CO-3.Exploring the Constitution of UK: salient features; the executive–the Crown, Prime Minister and cabinet; the legislature: House of Lords, House Commons, speaker and Committees; Party System in UK. CO-4. Exploring the US Constitution: salient features; the executive: President, Legislature: Senate, House of Representative, Speaker. Judiciary: The composition and role of the Supreme Court,Bill of Rights, Party System. CO-5. Making a comparative analysis of the following institutions of UK and USA: Legislature, Executive and party systems.
SIXTH SEMESTER Paper:-International Politics: Theory & Practice Sub-code 1.B.A.0532 2.BABED-	CO-1. Students enable to understand the evolution, scope and significance of international relations. CO-2.Approaches and methods to study the discipline through Political realism&idealism. CO-3.Students enable to demonstrate an understanding of: contemporary international system; and the key actors which shaped the international Politics i.e. National power, Balance of Power & Collective Security. CO-4. Studying the developments in third world countries in post-world war II era like NAM: Relevance, ASEAN, SAFTA and SAARC, NIEO. Co-5. Evaluating Bi-polar world order during cold war, Uni-polar world order& multi-polar world order after cold war

POLO63	
There are a variety of career opportunities available for Political Science students.	
Because of the broad nature of Political Science helps to develop unique skills that are quite attractive to employers and useful for any job.	

DEPARTMENT OF PUBLIC ADMINISTRATION

Course Outcomes of B.A. (Public administration)

Course	Outcomes After completion of this course students should be able to;
Semester-I	
Paper: Administrative Theory	CO-1. The students enable to understand nature, basic concepts and principles of public administeration. CO-2. The students enable to trace the evolution of Public Administration and its relationship with other social sciences. CO-3. To discuss the Governmental organization types and forms and Importance. CO-4. Discuss the Chief Executives of World ,its types and functions CO-5. To understand the Line and staff agencies , Centralisation and Decentralisation and their importance. CO-6. Explain the management techniques like, Leadership, Supervision, Co- ordination, Communication and Decision Making etc.
Semester-II	
Paper: Indian Administration	Co-1. Understanding the Federal Nature of Indian Administration. CO-2.Evaluating the structure of government at the Central Level. CO-3.Understanding the working of Indian Parliament. CO-4. Evaluating the structure of government at the state Level. CO-5. Explaining the Indian Federalism through Centre-State administrative, Legislative and Financial relations CO-6. Detailed study of High Court and Supreme Court in India. CO-7. Explaining working of Central Secretariat, State Secretariat and District Administration.
Semester-III	
Paper: Personnel Administration (with Special Reference India)	Co-1. Discuss the Nature Scope of Personnel administration. CO-2. Evaluate the mechanism of Civil Services in India and Characteristics Bureaucracy in India. CO-3. Recruitment methods of Higher civil services in India and their Problems. CO-4. Role and Function of UPSC and SPSC in India. CO-5 Training and Promotion of Methods of Higher Civil Service in India. CO-6. Discuss Administrative Tribunals their advantages and disadvantages. CO-7. Corruption in India, Ethics in Administration and measures to improve the moral among employees.

Semester-IV	
Paper: Financial Administration (With Special Reference to India)	CO-1. To give the student an in-depth understanding of various aspects of Public Finance and Financial administration. CO-2. Discuss the preparation, passing and execution of Budgeting India. CO-3. To understand the composition and function of Finance Ministry and Finance Commission and Center-state financial relations. CO-4. To explain the working of the Comptroller and Auditor General of India. CO-5. To Understand how Parliament Controls over Public Finance. CO-6. Explains the Concepts of Deficit Financing, Fiscal Deficit, Public Debt and Public Expenditure. CO-7. To understand the Composition, Functions and Role of Public Accounts Committee and Estimates Committee.
Semester-V	
local Government (With Special Reference To Punjab)	CO-1. to give the student an understanding of the concept, significance and evolution of local government in India.. CO-2. It acquaint students with the pattern and working of divisional and district administration. CO-3. Discuss the types, structure, functions, finances and personnel of rural local governments CO-4 Discuss the types, structure, functions, finances and personnel of urban local governments CO-5. Explains the concept of state control over local bodies, provincialisation and rural-urban relationship with reference to Punjab.
Semester-VI	
Paper: Development Administration (With Special Reference To Punjab)	CO-1.To give the student an in-depth understanding about the concept & significance of development administration. CO-2. Discuss the features of developed &developing countries, CO-3. Analyse the planning machinery at Centre, State level and District Level. CO-4. Explains the emergence of India as a welfare state. CO-5. Understanding about the concept, forms, role and problems of public enterprises CO-6. To study the working of Role of State Administration in Primary and Secondary Education and Role of the Ministry of Health and Family Welfare. CO-7. Administration of Rural Development and Role of Voluntary Sector in Development

Department of Sociology

Programme Outcomes & Program Specific Outcomes

Class :B.A	A Bachelor degree in sociology can lead to powerful careers in local and State Governments, law, International organizations, Non-Profit organizations, Campaign Management, Journalism, Research, University and College Education, Communication and Data analysis and Bureaucracy
SEMESTER – I Fundamentals of Sociology	CO.1 Student will be able to explain social facts and society relates concepts. CO-2 Student will be able to define and explain social concepts, social facts and express empirical observations with sociology concepts. CO-3 Student will be able to define and explain main characteristics of social institutions. CO-4 Student will be able to convey the historical development of sociology. C0-5 It also provides a foundation for the other more derailed and specialized course in sociology.
Semester II Social Stratification	CO-1 Student will be able to explain the basic concepts and theories of social stratification and inequality. CO-2 Student will be able to identify stratification systems of different historical eras. CO-3 Student will be able to classify the social stratification theories and define their basic features.

	CO-4 Student will be able to analyse the social mobility and social class relations in modern industrial and/or post-industrial societies. CO-5 Student will be able to identify the reasons for social inequalities in industrial and/or post-industrial societies. CO-6 Student will be able to discuss the hierarchical differentiations manifested by social inequalities. CO-7 Student will be able to compare different forms of social inequalities such as social class, gender, "race" and ethnicity. CO-8Student will be able to develop a theoretical and methodological framework for analysing social inequalities.
Semester III Social Structure & Social Change	CO-1 Student will be able to know how social structure is composed of social institutions and pattern of institutionalized relationships. C0-2 Student will also understand social structure as present in the social networks that connect us, and in the interactions that fill our everyday lives. CO-3 Student will be able to explain the meaning and types of social change. CO-4 Student will be able to describe the forms of social changes. CO-5 Student will be able to understand the process of social change. CO-6 Student will be able to explain human development, social development sustainable development.
Semester IV Social Institutions	CO-1 Student will be able to describe the issues and challenges related to caste, religion and gender in India and outline the challenges of the health and education sector in India.

	CO-2 Student will be able to explain the role of religion and caste in contemporary Indian society in the context of political and social movements.Discuss the role of media in contemporary India. CO-3 Student will be able to examine the transformations in social institutions like caste, religion,family, marriage and gender in the context of modernisation in India. CO-4 Student will be able to analyse the intersection of social, political and economic factors and its impact on class and caste realities. Explain how the sociopolitical context impacts education and the public health sector. CO-5 Student will be able to evaluate the elements of continuity and change pertaining to class,caste and religion in India. Assess the role of the media in contemporary society. CO-6This course provides a brief account of the classical approaches to the study of family and kinship. It exposes the students to the distinct aspects of these three interrelated institutions in the Indian context. Finally, it discusses some contemporary issues that pose a challenge to the normative model of these institutions.
Semester V Society in India	CO-1 The course introduces the students with the concept of tribal, rural and urban society. CO-2 Student will be able to develop an understanding about classification of tribal people, rural people and urban people . CO-3 Student will be able to define socio culture profile: Ethic and cultural diversity.

	CO-4 Student will be able to learn about tribal, rural and urban : society, family, marriage, kinship and languages. CO-5 Student will be able to know the problems faced by the tribal, rural and urban people, their social mobility and change. CO-6 Student will be able to learn about tribal movement, panchayati raj system, slums and voluntary associations
Semester VI Disorganization and Emerging Problems	CO.1Student will be able to understand the meaning, causes, consequences and forms of social disorganization. CO-2 Student will be able to learn about the theories explaining the disorganization situations. CO-3 Student will be able to comprehend the concept of crime and the existing theories of punishment. CO-4 Student will be able to elaborate on Caste, Minorities, and Problems in Modern India. CO-5 Student will be able to discuss Dowry death and legislation. CO-6 Student will be able to elaborate Poverty and poverty elevation programmers. CO-7 Student will be able to explain unemployment, types and remedies. CO-8 Student will be able to describe child and woman labour problem and legislation. C0-9 Student will be able to understand

	violence against women, meaning and provision for remedies.

Department of Mathematics

Department of Mathematics	After successful completion of three year degree program in Bachelor of Arts and B.Sc (N.M) student should be able to;
Course Outcomes- B.A. (Mathematics)	
Semester-I	
Course	**Outcomes** After completion of these courses students should be able to;
Paper- I: **Plane Geometry I**	CO-1 students will be able to learn about transformation of axis. CO-2 Students will able to understand the tracing of different equations of conic section their polar equation , equation of tangent and normal. CO-3 Understand the concept of pair of straight line. CO-4Understand all the concepts to implement in real life CO-5. Students will differentiate exponential , logarithmic , trigonometric and inverse trigonometric functions
Paper-II : **Calculus Ⅰ**	CO-1Students got to know about different properties of real no. CO-2 Understand the concept of limit and continuity . CO-3 Learn about hyperbolic functions and derivates. CO-4 Student got to know about successive differentiation. CO-5 Learn to use Leibnitz theorem to find higher order derivatives of product functions.
Paper-Ⅲ: **Trigonometry and Matrices**	CO-1 Students will able to learn about the polar representation of complex no ,D' Moivre's theorem and their application . CO-2 Understand the concept of summation of series mainly Gregory 's series. CO-3 Students will able to know about different kind of matrices, learn to calculate the row rank , column rank . CO-4 Understand the theorems on consistency of system of linear homogeneous and non homogeneous equations. CO-5 Understand to calculate Eigen values, Eigen function , characteristics equation
Semester-II	

Paper-I **Solid Geometry**	CO-1.understand the concept of transformation of axis. CO-2. To understand the geometrical concept of sphere and cylinder. CO-3 To understand radical plane , radical axis of cone. CO-4 student learn to find the different geometric figures.
paper II **CALCULUS** **II**	CO-1Evaluate an indefinite integeral using integeration by parts . CO-2Understand the concept of concavity, convexity ,point of inflection, multiple points and asymptote. CO-3Student learn how to set up definite integeral to calculate the length of curve, area and volume CO-4 Student can learn to trace a curve
Paper III **Theory of equations**	CO-1.learned how to use fundamental theorem of algebra in real life. CO-2.learned basic concept of Descarte's rule of sign. CO-3. Learned how to solve cubic and B iquadratic equations using cardon's , descarte's and ferrari's method

Semester-III	
Course	**Outcomes** After completion of these courses students should be able to;
Paper-I **Advance calculus I**	CO-1. The student is expected to learn about the basic principles of multi- variable calculus with proofs. CO-2. To have full knowledge of calculus involving the fundamental tools such as continuity and differentiability. CO-3. Students are able to find maxima , minima and saddle point of function. CO-4. Students are able to effectively communicate mathematics: reading, writing, listening, and speaking. Students make effective use of the library, conduct research and make oral and written presentations of their findings. CO-5. To gain knowledge about vector differentiation , Gradient , Divergence, curl and their application in real life.
paper II- **Differential Equation**	CO-1.Determine the solution of Orthogonal trajectories of differential equation. CO-2.Acquire the idea of claurit equation for solving differential equation, singular solution . CO-3.Understand the order ,degree and various standard forms of differential equations.

Paper III **STATISTICS**	CO-1. An ability to construct free-body diagrams and to calculate the reactions necessary to ensure static equilibrium. CO-2. An understanding of the analysis of distributed loads. CO-3. A knowledge of internal forces and moments in members CO-4 Understand the concept of friction .

Semester-IV	
Paper-1 **Advance calculus II**	CO-1. Determine if a geometric series is convergent or divergent. CO-2. Find the sum of a convergent geometric series. CO-3. Determine if an infinite series is convergent or divergent by selecting the appropriate test from the following: (a) test for divergence; (b) integral test; (c) p-series test; (d) the comparison tests; (e) alternating series test; (f) absolute convergence test; (g) ratio test; and (h) root test. CO-4. Determine if an infinite series converges absolutely or conditionally CO-5 Understand the concept of sequential continuity and uniform continuity.
Paper II- **Differential equation**	CO-1.Determine the solution of power series of differential equation. CO-2.Acquire the idea of lagrange's method for solving the first order linear partial differential equation. CO-3.Understand the order ,degree and various standard forms of differential equations. CO-4.To know about the laplace transform.
Paper III	CO-1. Learned how to study simple harmonic motion. CO-2. Learned how to trace curvilinear motion of particles in a plane. CO-3. Learn concept of work,power and energy.

Semester-V	
Course	**Outcomes** After completion of these courses students should be able to;

Paper--I **Analysis-I**	CO-1. Knowledge of continuity and uniform continuity. CO-2. Concept ,application and calculation of Riemann Integrals CO-3.Understanding of Beta and Gamma functions CO-4. Determination of Improper integrals and its applications
Paper-II **Algebra**	CO-1 Understand the concept of Groups , Rings , their properties. CO-2 Got knowledge about special kind of groups and rings and about homomorphism , isomorphism etc.
Paper- III **Probability**	CO-1.A good understanding of elementary probability theory and its real life applications. CO-2. Concept of random events, their expected values and its application in lottery market. CO-3. Introduction of fundamental discrete distribution, their pmf, cmf, moments, etc. CO-4. Introduction of fundamental continuous distribution, pdf, cdf, moments, probability curve, area under probability curves etc. CO-5.Identify the application of selected probability distribution to different real life situations.

Semester-VI	
Paper I - Analysis-II	CO-1. Students will have the knowledge of convergence of sequence and series of functions. CO-2. Solve the problems related to Double and Triple Integrals and its application. CO-3.Solve various problems related to Area and Volume CO-4. Understanding of basic notions vector analysis, gradient of scalar field, paths and line integrals. CO-5. Concept of convergence of power series.
Paper II – linear Algebra	CO-1 Student will learn about vector space , linear transformation . CO-2 Student will understand diagonalizable operator , Cayley-Hamilton theorem and minimal polynomial.
Paper III-Numerical Analysis	CO-1Apply numerical methods to find out solution of algebraic equations using different methods under various condition and

	solutions of system of algebraic equations. CO-2.Apply various interpolation methods and finite difference methods. CO-3. Work out numerical differentiation and integration when routine methods are not applicable. CO-4. Work numerically on ordinary differential equations using different methods through theory of finite differences CO-5. Work numerically on partial differential equations using different methods through theory of finite differences. CO-6. Analyse and evaluate the accuracy of common numerical methods.

DEPARTMENT OF MUSIC-VOCAL

Course Outcomes of B.A. (Music-Vocal)

Programme Outcomes: Music -Vocal

MUSIC (vocal) Semester-I	
THEORY (3 Hours duration) 45 Marks PRACTICAL (20 minute's duration) 45 Marks (i) Choice &Viva : 35 Marks (ii) Harmonium : 05 Marks (iii) Tabla : 05 Marks Internal Assessment (Theory + Practical) (05+05) 10 Marks Total : 100 Marks	Co-1 students can write notation of any drut and vilambit of any ragas with help Bhatkhande Notation System in Modern Period. Co-2 student can learn about Elementary knowledge of Raga Co-3 student can learn 9 Jaties of Ragas of the Present Raga System of North Indian Music. Co-4 students can learn the basic Musical terms Shruti, Swara (Shudh &Vikrit), Saptak, Alankar which are very important in music Co-5 students will be motivated with Life sketch and contribution of Pandit V.N. Bhatkhande. Co-6 students can learn about Sangeet shashtar and its different types . Co-7 students can learn about the origin of of Tanpura and Tabla.. Co-7 student can learn about slow khayal and drut khayal . Co-8 student can learn in detailed how to describe Taans and Alhaiya of Bilawal, Bhoopali Co-9 student can learn Teentala, Dadra (Single &Double)
MUSIC (vocal) Semester-II	
THEORY (3 Hours duration) 45 Marks PRACTICAL (20 minutes	Co-1 students can learn 10 thaats of Bhat khande Thaat Paddhati Co-2 students can learn about AAHAT naad ANAHAT naad. Co-3 students about Various developments (in brief) in the History

duration) 45 Marks (i) Choice &Viva : 35 Marks (ii) (iii) Harmonium : Tabla : 05 Marks 05 Marks Internal Assessment (Theory + Practical) (05 + 05) : 10 Marks	of North Indian Music of Modern Period. Co-4 students can learn Elementary knowledge of the following Musical terms Matra, Avartan, Sam, Tali, Khali, Vibhag, Aroh, Avaroh Co-5 students can learn about the Gun Dosh of Gayak. Co-6 students can learn about Laya &Taal which is most important in Music Co-7 students will be inspired with Brief life sketch and contributions of : Pt. Vishnu Digambar Paluskar Co-8 students can learn about the raga Yaman, Kafi with Alap and Taans. Co-9 student can learn about notation of Talas:- Ektal, Kehrwa.
MUSIC (vocal) Semester-III	
Paper-A: THEORY (3 Hours duration) : 45 marks (Duration 45 minutes 06 practical+ 02 Theory periods per week) Paper-B: Practical (20 minutes duration) : 45 marks (i) Viva : 35 marks (ii) Harmonium : 05 marks (iii) Tabla : 05 marks Internal Assessment (Theory + Practical) (05 +05) : 10 marks Total : 100 marks	Co-1 students can learn about 3 Gram Co-2 students can learn about vocal practice of Kanth. Co-3 studnets can learn about different singing styles of Gharana. Co-4 students can learn about Historical development of North Indian music from 13-15th Century. C0-5 students can learn various form of Alap Co-6 students can learn sangeetak kiriya of following: - Upaj, Mukhda, Bol-Baant, Khatka, Murki, Kan. Co-7 students can learn about of Lakshans of Ragas in Modern Period. Co-8 students will be inspired with the life sketches of the great masters of Music and their contributions. (i) Ustad Alladiya Khan (ii) Pt. Bhimsen Joshi (iii) Sh. Krishan Rao Shankar Pandit Co-09 students can learn the notation of drut khyal ragas :-Malkauns, Bhairav with Alap and Taans Co-10 students can learn notation of Tala :- Jhaptala, Chartala and Keherva (Single &Double) Co-11 students can learn about non detailed Ragas: Chandrakauns, Kalingda.
MUSIC (vocal) Semester-IV	
PAPER-A: THEORY (Duration 45 minutes, 02 Theory periods per week) Paper-A: THEORY (3 Hours duration) : 45 marks (Duration 45 minutes 06 practical+ 02 Theory periods	CO-1 students can understand Historical development of North Indian Music during 15th to 17th Century. Co-2 students can understand Murchhana Raga system Co-3.students can learn how to write Notation of any raga or any song. CO-4 Student can learn importance of Tanpura and Sahayak Nada which can listen with proper practice of

per week) Paper-B: Practical (20 minutes duration) : 45 marks (i) Viva : 35 marks (ii) Harmonium : 05 marks (iii) Tabla : 05 marks Internal Assessment (Theory + Practical) (05 +05) : 10 marks Total : 100 marks	Naad. Co-5 students can learn 15 Varieties of Gamak of sharan deva Granth. Co-6 student can learn how to use following :- Meend, Bol-Alap, andolan, boltana, Badhat in ragas. CO-7 students motivate with life sketches of great masters of music and their contributions: i) Ustad Amir Khan Sahib ii) Ustad Faiyaz Khan Sahib iii) Pt. Onkar Nath Thakur CO-8 students can learn how to write Notations of drut khayal of Bihag and Bhimplasi and vilambit khyal also . Co-9 students can learn about ekgun or dogun of Talas: Roopak, Tilwada Co-10 student can learn viva of Ragas :- Non detailed: Maru Bihag, patdeep

DEPARTMENT OF ENGLISH

Course Outcomes of B.A. (English)

Course	**Outcomes** After completion of this course, the students would be able to :
Semester-I	
English Compulsory	CO-1. Read a variety of texts critically. CO-2. Summarize a poem and recite lines from it. CO-3. Increase their vocabulary. CO-4. Develop the knowledge of grammar of the English Language. C0-5. Enhance their four skills of Listening, Speaking, Reading and Writing. CO-6. Develop their overall confidence and personality.

Elective English	CO-1. Get knowledge of literary terms. CO-2. Gain a good knowledge and understanding in vocabulary. CO-3. Understand nuances of language that includes proficiency in grammar, its effective usage in speaking and writing. CO-4. Recognize the rhythms, metrics and other musical aspects of poetry.
Semester-II	
English Compulsory	CO-1. Understand English language and realise potential to communicate with accurate grammar and appropriate vocabulary. CO-2. Acquire proficiency in writing skills at various levels of composition. CO-3. Widen their perceptions of the world beyond curriculum by exposing to a variety of subjects based on contemporary socio-cultural issues.
Elective English	CO-1. Read variety of texts critically and creatively. CO-2. Analyse and interpret texts from various angles. CO-3. Enrich their vocabulary and their expression. CO-4. Develop appreciation of language as an artistic medium and understand the importance of forms, elements and style that shape literary texts. CO-5. Understand that literature is an expression of human values within a historical and social context.
Semester-III	
English Compulsory	CO-1. Understand distinctive features of novels, short fiction and essays and relate the texts and contexts to real life. CO-2. Empower students to exercise their ability to think clearly and cogently. CO-3. Get implied meaning of language and capability of self-expression. CO-4. Read and comprehend matter written in English. CO-5. Equip with competency in fields where oral skills are demanded.
Elective English	CO-1. Get knowledge of identification of literary devices used by writers.

	C0-2. Do a close reading of literary texts and rhetoric. CO-3. Increase knowledge of fiction, poetry, and drama. CO-4. Understand various genres of literature along with the usage of literary devices. CO-5. Learn effective communication by reading the various language patterns, sentence structure and dialogue forms. CO-6. Identify parts of speech.
Semester-IV	
English Compulsory	CO-1. Read a variety of texts critically. CO-2. Get practical knowledge regarding the various grammatical aspects. CO-3. Promote the speaking and writing skills of the students by developing the vocabulary.
Elective English	CO-1. Understand distinctive features of novels, short fiction and prose essays. CO-2. Write, expand an idea and contract a passage. CO-3. Enhance the vocabulary for linguistic competence and effective communication.
Semester-V	
English Compulsory	CO-1. Basic knowledge of English as Language. CO-2. Improve the writing skills of the students through various aspects of grammar. CO-3. Get advance knowledge of English in matter of speaking, writing, listening and reading. CO-4. Acquaint with a keen and subtle way in which the language is used. CO-5. Understand relation between pleasure of literature and real life.

Elective English	CO-1. Make the students see how Indian English poetry expresses the ethos and culture of India. CO-2. Understand style and language of literary works. CO-3. Do critical reading of literary texts. CO-4. Understand creative uses of language in Indian English Poetry. CO-5. Familiarize with literary terms.
Semester-VI	
English Compulsory	CO-1. Encourage self-expression and creativity. CO-2. Improve their competence in the use of English. CO-3. Understand meanings of literary texts.
Elective English	CO-1. Make them familiar with the significant critical approaches and terms. CO-2. Encourage students to interpret literary works and to develop aptitude for critical analysis. CO-3. Sharpen critical, creative and analytical skills of students and enhance their proficiency in English language. CO-4. Get information about the grammatical properties in order to enable to write and speak English consciously

English Compulsory	CO-1. Enhance proficiency in grammar, its effective usage in speaking and writing. CO-2. Foster cooperation and encourage participation in various tasks. C0-3. Develop cultural and interpersonal sensitivity in communication behaviour. CO-4. Develop, interpret and express ideas through oral, visual and written communication effectively. CO-5.Develop intellectual flexibility and creativity.
SEMESTER IV	
English Compulsory	C0-1. Write and speak good English in all situations. CO-2. Use receptive skills through reading and listening to acquire good exposure tolanguage and literature. CO-3. Trace the difference of pronunciation of words, their correct

	pronunciation,accent and intonation. CO-4. Perform various speaking and writing tasks, such as role-plays, debates, group discussion. CO-5. Develop accurate sense of self and nurture a deep understanding of personal motivation. CO-6. Enhance fluency of language, presentation skills and creative writing.

Outcomes of M.A. (English)Session 2018-19

Semester-I

M.A. English I	Course Outcomes After completion of this course the students would be able to :
Paper-I	CO1:Understand the concept of literary Criticism and Theory. CO2:Recognize historical, Political and Aesthetic dimensions of the growth of Literary Criticism. CO3:Get familiarize with the key concepts and texts of literary criticism ever since it emergence. CO4:Get firsthand knowledge of some of the works of the great critics.
Paper-II	CO1:Understand the concept of metaphysical poetry. CO2:Understand the new literary forms of English poetry. CO3:Recognize the rhythms, metrics, and other musical aspects of poetry.
Paper-III	CO1:Expound the effect that drama has on the understanding of ideas and the ethos of a culture. CO2:Understand theme, structure, and style in British Drama.

	CO3:Understand the social and historical contexts of the drama.
Paper-IV	CO1:Evaluate the story based on themes and analyse the style of writing, classifying characters, and other aspects of the novel. CO2:Understand different types of characters and how they react to the situation. CO3:Learn about the concept of picaresque novel, realism, epistolary novel, social novel, and historical novel. CO4:Able to look at the text in a critical perspective.

Semester-II

M.A. English I	Course Outcomes After completion of this course the students would be able to :
Paper-I	CO1:Develop a chronological sense of literary criticism. CO2:Encourage students to undertake further reading in literary criticism. CO3:Acquaint the students with important critical movements.
Paper-II	CO1:Understand the theme, structure, and style of British Poetry. CO2:Analyse the various elements of poetry, such as diction, tone, form, imagery, figure of speech, symbolism, theme, etc. CO3:Understand the significance of human values and moral values.
Paper-III	CO1:Identify, explicate, and respond to key themes and elements in drama. CO2:Learn to comprehend and analyse historical contexts of the drama. CO3: Learn to critically analyse key ideas in dramatic literature.
Paper-IV	CO1:Learn about the variety of structures in novel. CO2:Acquire a broad perspective of the novel as a literary genre and the relevant historical, geographical,

	cultural identical backgrounds. CO3:Appreciate the working of various literary devices like irony in fiction. CO4:Analyse various types of novels with reference to thematic and other approaches.

Semester-III

M.A. English II	Course outcomes After completion of this course the students would be able to :
Paper –I	CO1:Familiarize with the important movements in literary theory. CO2:Understand different aspects of theory. CO3:Develop their own critical standpoints on the theorists and their work.
Paper –II	CO1:Appreciate the historical trajectory of various genres of Indian Writing in English from colonial times to till present. CO2:Analyse Indian literary texts written in English in terms of colonialism, post-colonialism, regionalism, and nationalism. CO3:Analyse the strength and constraints of Indian English as a literary medium.
Paper-III	CO1:Understand the historical background of American literature and the American dream. CO2:Get an understanding of how society, culture and politics affect literature. CO3:Evaluate the thoughts, beliefs, customs, struggles, and visions of African American writers.
Paper-IV	CO1:Understand and interpret Shakespearean drama. CO2:Undertake textual analysis of Shakespeare's plays. CO3:Develop sufficient ability for reading and understanding Elizabethan English drama to allow for better comprehension of Shakespeare's plays, poems, and sonnets.

Semester-IV

M.A. English II	Outcomes After completion of this course the students would be able to :
Paper –I	CO1:Learn to distinguish between fact and opinion, literal and inferential meanings, warranted and unwarranted assumptions from available data. CO2:Develop critical thinking through analysis, comparison, and theoretical approaches. CO3:Develop the ability to apply various theories to works of literature and aspects of contemporary culture.
Paper-II	CO1:Attain accessibility to regional and international literary forms. CO2:Able to contextualize the texts. CO3:Develop a contemporary perspective to study the texts.
Paper-III	CO1:Compare and contrast the socio, political, religious, and cultural differences and transformations as it found in literatures of different periods in America. CO2:Develop a critical and analytical perspective with regard to American texts and authors. CO3:Critically analyse American literary texts in the light of several movements in literature.
Paper-IV	CO1:Understand all the facets of Shakespearean drama and the sonnets and their relation to the present. CO2:Comprehend the characters, plots, and themes of Shakespearean plays. CO3:Interpret particular Shakespearean works in literary critical essays of one's own.

DEPARTMENT OF HINDI

Course Outcomes of B.A. (HINDI)

B.A I Hindi Semester -I	On completion of the course students are able to Understand.
	CO1: Stories of famous Hindi Writers like Prem Chand, Jai Shankar Parshad, Ashk etc. CO2: History of Hindi Lit. –Aadi Kaal. CO3: Elements of story. CO4: Basic Grammer. CO5: Official and technical word meaning. CO6:Poetry of poets during Bhakti Kaal like Kabir Dass ji, Guru Nanak Dev Ji,
B.A I Hindi Semester -02	On completion of the course students are able to Understand
	CO1:Poetry of poets during Bhakti Kaal like Tulsi Dass Ji, Sur Dass Ji. CO2:Elements of Novel. CO3:Jhansi Ki Rani Novel by Varindawan Lal Verma. CO4:History of Hindi Lit. –Bhakti Kaal. CO5:Letter and Paragraph writing. CO6:Official and technical word meaning.
B.A II Hindi Semester 03	On completion of the course students are able to Understand
	CO1: Poetry of poets during Dwivedi and Chayavaad Yug like Gupt, Parsad, Pant and Nirala. CO2: Hindi Play Mr. Abhimanyu by Dr. Laxmi Narayan Lal. CO3: History of Hindi Lit. –Reeti Kaal. CO4: Elements of Play. CO5: Grammer
B.A II Hindi Semester 04	On completion of the course students are able to Understand
	CO1:Poetry of poets during Chayavaad and Parayogvaad Yug like Mahadevi Verma, Bharti, Agney.

	CO2:History of Hindi Lit. –Aadhunik Kaal. CO3:Adarsh Ekanki sangreh (One act Plays) CO4:Elements of Ekanki. CO5:Official letter writing. CO6:Official Comments writing
B.A III Hindi Semester 05	On completion of the course students are able to Understand
	CO1:Kurukshetra by Ramdhari Singh Dinkar. CO2:Elements of Kavya, Maha Kavya, Khand Kavya, Nibandh, Jeewani. CO3:Alankar
B.A III Hindi Semester 06	On completion of the course students are able to Understand
	C01:Essay Writing. CO2:Gadya Phulwari an Anthology of prose writing. CO3:History of Hindi prose. CO4:Chand. CO5:Devnagri- it's Sources and qualities. CO6:How to prepare Invitation Card, advertisement writing.

DEPARTMENT OF PUNJABI

Course Outcomes of B.A. (punjabi)

Semester-I	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਅਤੇਸਾਹਿਤਵਿੱਚਆਧੁਨਿਕਤਾਦੇਸੰਕਲਪਨੂੰਸਮਝਣਯੋਗਬਣਦੇਹਨ। CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਅੰਦਰਸਾਹਿਤਕਵਿਵੇਕਵਿਕਸਤਹੁੰਦਾਹੈ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਪੁਨੀਵਿਰਿਆਨਬਾਰੇਜਾਣੂਹੁੰਦੇਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਸਾਹਿਤਦੀਵਿਧਾ'ਇਕਾਂਗੀ' ਦੀਆਂਬਾਰੀਕੀਆਂਨੂੰਸਮਝਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦਾਅਧਿਐਨਕਰਕੇਆਪਣੀਸੁਹਜਾਤਮਕਸੰਵੇਦਨਾਨੂੰਅਮੀਰਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਆਪਣੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾ, ਨਾਟਕਅਤੇਇਕਾਂਗੀਦੇਸੰਖੇਪਪਿਛੋਕੜਬਾਰੇਜਾਣੂਹੁੰਦੇਹਨ।

Semester-II	
Course	Outcomes:- After completion of these courses students should be able to;

Paper Code-PBC General Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਸਾਹਿਤਕਵਿਧਾ'ਨਿੱਕੀਕਹਾਣੀ' ਬਾਰੇਜਾਣਕਾਰੀਹਾਸਲਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਭਾਸ਼ਾਵਿਗਿਆਨਦੀਮੁੱਢਲੇਗਿਆਨਨੂੰਪ੍ਰਾਪਤਕਰਦੇਹਨ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਭਾਸ਼ਾਅਤੇਸਾਹਿਤਦੇਅਧਿਐਨਨਾਲਰੂਬਰੂਹੁੰਦੇਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਵਿਚਲੇਸਮਕਾਲੀਕਵੀਆਂਦੀਆਂਚੋਣਵੀਂ ਆਂਰਚਨਾਵਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਭਾਸ਼ਾਦੇਨਿਕਾਸਅਤੇਵਿਕਾਸਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਨਾਵਲ, ਕਹਾਣੀਅਤੇਸਫ਼ਰਨਾਮਾਸਾਹਿਤਦੇਇਤਿਹਾਸਬਾਰੇਮੁੱਢਲੀਜਾਣਕਾਰੀਹਾਸਲਕਰਦੇਹਨ।

Semester-III	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕਵਿਧਾਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਰੂਪਵਿਗਿਆਨਦੀਆਂਅਲੱਗਅਲੱਗਪਰਤਾਂਨੂੰਸਮਝਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਸ਼ਬਦ-ਰਚਨਾਅਤੇਸ਼ਬਦਾਂਦੀਆਂਕਿਸਮਾਂਬਾਰੇਜਾਣਕਾਰੀਹਾਸਲਕਰਦੇਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪੰਜਾਬੀਕਵਿਤਾਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕਦੀਵਿਧਾਸਫ਼ਰਨਾਮਾਸਾਹਿਤਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪੰਜਾਬੀਕਵਿਤਾਦੇਅੰਤਰਗਤਸੁਫ਼ੀਕਾਵਿਅਤੇਕਿੱਸਾਕਾਵਿਦੇਇਤਿਹਾਸਤੋਂ ਜਾਣੂਹੁੰਦੇਹਨ।

Semester-IV	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕਦੀਵਿਧਾਨਾਟਕਦਾਅਧਿਐਨਕਰਦੇਹਨ । CO-2. ਵਿਦਿਆਰਥੀਉਪਭਾਸ਼ਾਵਿਗਿਆਨਰਾਹੀਂਪੰਜਾਬੀਦੀਆਂਉਪਭਾਸ਼ਾਵਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਭਾਸ਼ਾਦੇਸ਼ਬਦ-ਜੋੜਾਂਦੇਨਿਯਮਾਂਅਤੇਮਿਆਰੀਕਰਨਬਾਰੇਜਾਣੂਹੁੰਦੇਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪੰਜਾਬੀਕਵਿਤਾਦਾਆਲੋਚਨਾਤਮਕਅਧਿਐਨਕਰਦੇਹਨ । CO-2. ਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਨਿੱਕੀਕਹਾਣੀਦੀਸਾਹਿਤਕਆਲੋਚਨਾਦੀਜਾਚਸਿੱਖਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪੰਜਾਬੀਕਵਿਤਾਦੇਅੰਤਰਗਤਵਾਰਕਾਵਿ, ਜੰਗਨਾਮਾਅਤੇਮੱਧਕਾਲੀਪੰਜਾਬੀਵਾਰਤਕਦਾਅਧਿਐਨਕਰਦੇਹਨ।

Semester-V	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪੰਜਾਬੀਕਵਿਤਾਦੇਵੱਖਵੱਖਰੂਪਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸਾਹਿਤਦੀਰਚਨਾਤਮਕਨਾਲਜੁੜਨਲਈਨਿਬੰਧਲੇਖਣਦਾਅਭਿਆਸਕਰਦੇ ਹਨ। CO-3. ਵਿਦਿਆਰਥੀਲਿਪੀ, ਗੁਰਮੁਖੀਲਿਪੀਦੇਜਨਮਅਤੇਵਿਕਾਸਬਾਰੇਅਧਿਐਨਕਰਦੇਹਨ।
Paper Code-PBI	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੁਰਾਤਨਪੰਜਾਬੀਕਾਵਿਨਾਲਜੁੜਦੇਹਨ।

Elective Punjabi	CO-2. ਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਵਾਰਤਕਦੀਵਿਧਾਨਾਟਕਨੂੰਆਪਣੇਅਧਿਐਨਦਾਵਸਤੂਬਣਾਉਂਦੇ ਹਨ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਭਾਰਤੀਕਾਵਿਸ਼ਾਸਤਰਦੀਬੁਨਿਆਦੀਸਮਝਗ੍ਰਹਿਣਕਰਦੇਹਨ।

Semester-VI	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਨਾਵਲਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਨਾਵਲਦੇਅਧਿਐਨਰਾਹੀਂਸਮਾਜਿਕਢਾਂਚੇਦੀਤਹਿਵਿੱਚਵਾਪਰਦੀਆਂਘਟਨਾਵਾਂਦੀਸਮ ਝਵਿਕਸਤਕਰਦੇਹਨ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਵਾਕਵਿਗਿਆਨਦੇਮੂਲਸਿਧਾਂਤਾਂਨੂੰਸਮਝਦੇਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਵਾਰਤਕਦੇਰੂਪਨਿਬੰਧਬਾਰੇਬੁਨਿਆਦੀਸਮਝਹਾਸਲਕਰਦੇ ਹਨ। CO-2. ਵਿਦਿਆਰਥੀਪੱਛਮੀਕਾਵਿਸ਼ਾਸਤਰਦੇਬੁਨਿਆਦੀਸਿਧਾਂਤਾਂਨੂੰਸਮਝਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਦੇਹਾਸਲਕੀਤੇਗਿਆਨਦੁਆਰਾਹੋਰਡਿਪਲੋਮਾਕੋਰਸਵਿੱਚਦਾਖਲਾਲੈਣਲਈ ਯੋਗਹੋਜਾਂਦੇਹਨ।

Course Outcomes of M.A. (Punjabi)

Semester-I	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-MPI	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸਾਹਿਤਦੇਇਤਿਹਾਸਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਆਦਿਕਾਲਵਿੱਚਪੰਜਾਬੀਸਾਹਿਤਦੀਆਂਪ੍ਰਾਪਤੀਆਂਨੂੰਖੰਗਾਲਿਆਜਾਂਦਾਹੈ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਹੋਰਪ੍ਰਤਿਯੋਗੀਪ੍ਰੀਖਿਆਵਾਂਸੰਬੰਧੀਤਿਆਰਹੁੰਦੇਹਨ। CO-4. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸਾਹਿਤਦੇਇਤਿਹਾਸਦੀਆਂਸਮੱਸਿਆਵਾਂਅਤੇਕਾਲਵੰਡਦੇਮਸਲੇਸਮਝਦੇਹ ਨ।
Paper Code-SSP	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਸਾਹਿਤਸਿਧਾਂਤਾਂਦਾਵਿਸ਼ਾਲਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਗਰੀਕੋ -ਰੋਮਨਕਾਵਿਸ਼ਾਸਤਰਤੋਂਜਾਣੂਹੁੰਦੇਹਨ। CO-3.ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਸਮੁੱਚੇਭਾਰਤੀਕਾਵਿਸ਼ਾਸਤਰਨੂੰਸਮਝਦੇਹਨ। CO-4. ਵਿਦਿਆਰਥੀਵੱਖਵੱਖਸਾਹਿਤਅਧਿਐਨਪ੍ਰਣਾਲੀਆਂਦੀਸਮਝਵਿਕਸਤਕਰਦੇਹਨ।
Paper Code-MPK	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪੰਜਾਬੀਕਵਿਤਾਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਗੁਰਮਿਤ ਕਾਵਿਦੇਵਿਸ਼ਵਦ੍ਰਿਸ਼ਟੀਕੋਣਤੇਵਿਚਾਰਧਾਰਾਨੂੰਸਮਝਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਸੂਫ਼ੀਪੰਜਾਬੀਕਵਿਤਾਦੇਸੰਘਣੇਪਣ, ਗਹਿਰਾਈਅਤੇਵਿਚਾਰਧਾਰਕਪਰਿਪੇਖਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-4. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਹੋਰਪ੍ਰਤਿਯੋਗੀਪ੍ਰੀਖਿਆਵਾਂਸੰਬੰਧੀਜਾਣਕਾਰੀਹਾਸਲਕਰਦੇਹਨ।
Paper Code-PNA	CO-1. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸਾਹਿਤਵਿੱਚਨਾਵਲਦੇਜਨਮਅਤੇਵਿਕਾਸਬਾਰੇਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਪੰਜਾਬਦੇਸਮਾਜਸਭਿਆਚਾਰਨੂੰਸਮਝਦੇਹਨਅਤੇਆਲੋਚਨਾਤਮਕਅਧਿਐਨਕਰਦੇ ਹਨ। CO-3.

	ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਨਾਵਲਦੇਸਰਵੇਖਣਅਤੇਮੁਲਾਂਕਣਦੁਆਰਾਸਮਾਜਪ੍ਰਤਿਆਪਣੀਸਮਝਵਿਕਸਤਕਰਦੇਹਨ।

Semester-II	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-API	CO-1. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸਾਹਿਤਵਿੱਚਆਧੁਨਿਕਤਾਦੇਆਰੰਭਅਤੇਵਿਕਾਸਦਾਸਿਲਸਿਲੇਵਾਰਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਵੀਹਵੀਂਸਦੀਦੀਪੰਜਾਬੀਕਵਿਤਾਦਾਇਤਿਹਾਸਮੂਲਕਅਤੇਪ੍ਰਵਿਰਤੀਮੂਲਕਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਵੀਹਵੀਂਸਦੀਦੇਪੰਜਾਬੀਗਲਪ, ਕਹਾਣੀਅਤੇਵਾਰਤਕਰੂਪਾਂਦੇਵਿਕਾਸਤੋਂਜਾਣੂਹੁੰਦੇਹਨ। CO-4. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਹੋਰਪ੍ਰਤਿਯੋਗੀਮੁਕਾਬਲਿਆਂਨੂੰਦੇਣਲਈਤਿਆਰਹੁੰਦੇਹਨ।
Paper Code-PKS	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਆਲੋਚਨਾਦੇਇਤਿਹਾਸਨੂੰਜਾਣਦੇਹਨ। CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਅੰਤਰ-ਅਨੁਸ਼ਾਸਨੀਸਮਝਵਿਕਸਤਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਕਵਿਤਾਅਤੇਪੰਜਾਬੀਵਾਰਤਕਸਾਹਿਤਦੀਵਿਹਾਰਕਸਮੀਖਿਆਦਾਗਿਆਨਹਾਸਲਕਰਦੇਹਨ।
Paper Code-MPK	CO-1. ਵਿਦਿਆਰਥੀਮੱਧਕਾਲੀਪ੍ਰਗੀਤਕਅਤੇਬਿਰਤਾਂਤਕਕਵਿਤਾਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਭਾਰਤੀਸੂਫ਼ੀਪ੍ਰਪੰਰਾਅਤੇਸਾਹਿਤਤੋਂਵਾਕਫ਼ਹੁੰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਵਾਰਕਾਵਿਦਾਸਰਬਪੱਖੀਅਧਿਐਨਕਰਦੇਹਨ।
Paper Code-PNA	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਬਿਰਤਾਂਤਤੇਬਿਰਤਾਂਤਕਾਰੀਦੇਮੂਲਸਿਧਾਂਤਾਂਨੂੰਸਮਝਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਸਮਾਜ, ਸੱਤਾਅਤੇਸਮਕਾਲੀਪੰਜਾਬੀਨਾਵਲਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਬੰਦੇਦੀਮਾਨਸਿਕਤਾਨੂੰਸਮਝਣਯੋਗਹੁੰਦੇਹਨ।

Semester-III	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-BVP	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਭਾਸ਼ਾਅਤੇਭਾਸ਼ਾਵਿਗਿਆਨਦੇਮੂਲਸਿਧਾਂਤਾਂਨੂੰਸਮਝਦੇਹਨ। CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਭਾਸ਼ਾਵਿਗਿਆਨਦੇਅੰਤਰਗਤਧੁਨੀਵਿਗਿਆਨਅਤੇਰੂਪਵਿਗਿਆਨਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਭਾਸ਼ਾ, ਸਭਿਆਚਾਰਅਤੇਸਾਹਿਤਦੀਸਮਝਵਿਕਸਤਕਰਦੇਹਨ।
Paper Code-SLP	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਸਭਿਆਚਾਰਦੀਪ੍ਰਕਿਰਤੀਅਤੇਵਿਸ਼ੇਸ਼ਤਾਵਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਇਸਰਾਹੀਂਵਿਦਿਆਰਥੀਲੋਕਧਾਰਾਦੇਮੂਲਸੰਕਲਪਾਂਨਾਲਜਾਣੂਹੁੰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸੱਭਿਆਚਾਰਦੇਨਿਕਾਸਅਤੇਵਿਕਾਸਦੇਪੜਾਵਾਂ, ਨਿਖੜਵੇਂਲੱਛਣਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-4.ਵਿਦਿਆਰਥੀਵਿਸ਼ਵੀਕਰਨਦੇਦੌਰਵਿੱਚਪੰਜਾਬੀਸੱਭਿਆਚਾਰਦੇਸਨਮੁੱਖਨਵੀਆਂਵੰਗਾਰਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ।
Paper Code-APK	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾ, ਪ੍ਰਮੁੱਖਪੰਜਾਬੀਕਾਵਿਪ੍ਰਵਿਰਤੀਆਂਦਾਅਧਿਐਨਕਰਦੇਹਨ।

	CO-2. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦੇਕਾਵਿਸ਼ਾਸਤਰਨੂੰਸਮਝਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦੇਵਿਚਾਰਧਾਰਾਈਆਧਾਰਨਾਲਜੁੜਦੇਹਨ। CO-4.ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦੇਵੱਖਵੱਖਕਾਵਿਰੂਪਾਂਨੂੰਜਾਣਦੇਹਨ।
Paper Code-PNR	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਨਾਟਕਅਤੇਰੰਗਮੰਚਦੇਸਿਧਾਂਤਾਂ, ਇਤਿਹਾਸਅਤੇਪ੍ਰਵਿਰਤੀਆਂਨੂੰਸਮਝਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਰੰਗਮੰਚਦੀਆਂਸਮੱਸਿਆਵਾਂਤੇਇਤਿਹਾਸਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਸਮਾਜਸਭਿਆਚਾਰਵਿੱਚਪਨਪਦੇਨਵੇਂਸੰਕਟਾਂਨੂੰਨਾਟਕਵਿਧਾਰਾਹੀਂਜਾਣਨ ਦੀਕੋਸ਼ਿਸ਼ਕਰਦੇਹਨ।

Semester-IV	
Course	Outcomes:- After completion of these courses students should be able to;
Paper Code-BPG	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਭਾਸ਼ਾਅਤੇਪੰਜਾਬੀਭਾਸ਼ਾਵਿਗਿਆਨਦੇਮੂਲਸਿਧਾਂਤਾਂਨੂੰਸਮਝਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਧੁਨੀਵੰਡ, ਪੰਜਾਬੀਰੂਪਗ੍ਰਾਮਅਤੇਪੰਜਾਬੀਵਾਕਬਣਤਰਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਭਾਸ਼ਾਦੇਨਿਕਾਸਅਤੇਵਿਕਾਸ, ਵਿਭਿੰਨਪੜਾਵਾਂਅਤੇਵਰਤਮਾਨਸਥਿਤੀਬਾਰੇਜਾਣੂਹੁੰਦੇਹਨ। CO-4. ਵਿਦਿਆਰਥੀਗੁਰਮੁਖੀਲਿਪੀ, ਗੁਰਮੁਖੀਆਰਥੋਗ੍ਰਾਫੀਅਤੇਪੰਜਾਬੀਸ਼ਬਦਜੋੜਾਂਦੀਆਂਸਮੱਸਿਆਵਾਂਤੋਂਜਾਣੂਹੁੰਦੇਹਨ।
Paper Code-PLS	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਲੋਕਧਾਰਾਦੀਆਂਮੂਲਵਿਧਾਵਾਂਦੀਵਰਗਵੰਡਤੋਂਜਾਣੂਹੁੰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਲੋਕਸਾਹਿਤਦੀਪ੍ਰਕਿਰਤੀ, ਵਿਸ਼ੇਸ਼ਤਾਵਾਂਅਤੇਸਭਿਆਚਾਰਕਮਹੱਤਵਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪੰਜਾਬੀਲੋਕਸਾਹਿਤਦੇਵੱਖਵੱਖਰੂਪਾਂਦੀਸਿਰਜਣਹਾਰੀਦਾਅਧਿਐਨਕਰਦੇਹਨ।
Paper Code-APK	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦੇਕਾਵਿਬੋਧ, ਪ੍ਰਮੁੱਖਝੁਕਾਵਾਂਅਤੇਆਰਹੇਬਦਲਾਵਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਆਧੁਨਿਕਪੰਜਾਬੀਕਵਿਤਾਦੇਨਵੇਂਕਾਵਿਰੂਪਾਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਉਤਰਪੰਜਾਬਸੰਕਟਕਾਲਵਿੱਚਰਚੀਜਾਰਹੀਕਵਿਤਾਦੇਸਰੋਕਾਰਾਂਦੀਨਿਸ਼ਾਨਦੇਹੀਕਰਦੇਹਨ।
Paper Code-PNR	CO-1. ਇਸਕੋਰਸਰਾਹੀਂਵਿਦਿਆਰਥੀਪੰਜਾਬੀਨਾਟਕਅਤੇਰੰਗਮੰਚਦੇਇਤਿਹਾਸਅਤੇਪ੍ਰਵਿਰਤੀਆਂਦਾਅਧਿਐਨਕਰਦੇਹਨ। CO-2. ਵਿਦਿਆਰਥੀਅਜੋਕੇਸਮਾਜਸਭਿਆਚਾਰਵਿੱਚਬੰਦੇਦੀਸੰਕਟਮਈਸਥਿਤੀਨੂੰਨਾਟਕੀਸ਼ੈਲੀਰਾਹੀਂਸਮਝਣਦਾਉਪਰਾਲਾਕਰਦੇਹਨ। CO-3. ਵਿਦਿਆਰਥੀਪ੍ਰਵਾਸੀਪੰਜਾਬੀਆਂਦੀਆਂਸਮੱਸਿਆਵਾਂਨੂੰਨਾਟਕੀਵਿਧਾਰਾਹੀਂਉਜਾਗਰਕਰਦੇਹਨ।

CourseOutcomesB.A(History)

Semester-I	
Course	**Outcomes** After completionofthiscourse studentsshouldbeableto;
HistoryofIndiaupto 1200A.D.	CO-1. Understand the major sources of Ancient Indian history.CO-2.UnderstandthesalientfeaturesofIndusvalleycivilization. CO-3.Understandthe vedic culture ,society ,economy ,polityandreligion. CO-4.Evaluate thefeaturesofBuddhismandJainism. CO-5.VisualizetheadministrationofMauryasand theDhammaofAshoka. CO-6.IdentifytheachievementsofGuptaEmpireand theirculturalandscientific developments. CO-7.KnowaboutthePallava ,CholaandPandyadynasties.CO-8.Understandaboutthe origionofRajputs. CO-9.Understandthe importantancienthistoricalplacesonmapof India andextentof MauryanEmpire.

Semester-II	
HistoryofIndia1200-1750 A.D.	CO-1.UnderstandthefoundationoftheDelhisultanateandtheSultanate administration. CO-2.RecognisetheSocio,economicand religiousconditionsunderVijayanagarEmpire. CO-3. IdentifytheconditionofIndiaunder theMughalEmpire.CO-4.ExplaintheAdministrationand declineof Mughals. CO-5.AnalysetheriseoftheMarathasandthecontributionofShiva ji. CO-6.Understand the important historical places of medieval India onmapofIndia.
Semester-III	
HistoryofIndia,1750-1964A.D.	CO-1.DiscusstheadventofEuropeansandtheiradministration.

	CO-2.Evaluate the various causes of revolt of 1857 and its results.CO-3.UnderstandtheBritishagrarianpoliciesand deindustrialization. CO-4.UnderstandabouttheSocio-religiousreformmovementsin19thcentury. CO-5.Statetheroleofmoderatesand extremistsinthefreedommovement.CO-6.Discussthemakingofnewconstitution. CO-7.Understandtheimportanthistoricalplacesof ModernIndiaonmapof India.
Semester-IV	
HistoryofPunjab1469-1849A.D.	**CO-**1.Understandthefoundationofsikhreligion. **CO-2.**Evaluatethe lifeandteachingsofGuruNanakDev ji. **CO-3.**Understandthecontributionallguruinspreadof Sikhism. **CO-4.**ExplaintheregionofMaharajaRanjitSingh. **CO-5.**Understand theroleofBandaBahadurinhistoryofPunjabandMisilperiodhistory. CO-**6**UnderstandtheimportanthistoricalplacesofPunjabonthemapofPunjab.

Semester-V	
History of Punjab **1849-1966**	CO-1 Explain the British administration after the annexation of Punjab. CO-2 Understand the British agrarian policies. CO-3 Understand the introduction of modern education. CO-4 Learn about the socio-religious activities. CO-5 Explain the growth of political consciousness. CO-6 Understand the formation of Punjabi suba and reorganization act 1966. CO-7 Understand about the historical places of Punjab.

Semester-VI	
Course	Outcomes Aftercompletionofthiscourse studentsshouldbeableto;

WorldHistory18th to 20th century	CO-1Understandtheriseofmodernworld. CO-2Evaluate the American revolution and French revolution. CO-3 Discussthe riseofnew type ofimperialisminthe world. CO-4 Understand the division of Europe into two parts and World War – I CO-5EvaluatetheWorldWar-IIandmodernizationofChinaandJapan.CO-6IdentifyWorldHistoricalplacesonmapofWorld. CO-7 Discuss the role of napoleon in the world political system. CO-8 Understand the major events of unification Italy and Germany.

CourseOutcomes M.A. (History)

Semester-I	
Course	Outcomes After completionofthesecoursesstudentsshould beableto;
Paper-HistoryofPunjab 15th to17th Century	CO-1.Thestudentsknowtheentirepictureabout historyofPunjab-during15th to17thcentury. CO-2.Thestudentscan prepareforfurthercompetitiveex-am.CO-3.Thestudentscanjointeachingor research.
Paper-AncientIndia	CO-1.Thestudentsknowthemajormovementsandeventsthattook placeinAncientIndia. CO-2. The students can think about how changes came to oursociety. CO-3. Thestudentscanjoineducationalfieldsforresearch.

Paper – MedievalIndia	CO-1.Togatherknowledgeabouttherulersofmedieval Indi-aandbestpracticesfollowedbythem. CO-2. Togatherknowledgeaboutthesocialchangesduring medievaltimes.
Paper – ModernIndia	CO-1.The students know the modern India in various as-pects.CO-2.The studentscangointhefieldofresearch

Semester-II

Course	Outcomes After completionofthesecoursesstudentsshould beableto;
Paper– HistoryofPun-jab-dur-ing18thCentury	CO- 1.Thestudentsknowthemovementsof Punjabanditshistory. CO-2.Thestudentsknowaboutthe warsandmajorpoliticalchanges inthe-historyofPunjab.
Paper– Agrarian econ-omy of medieval India	CO-1.The studentswillcome toknowa-bout changes in agriculture during sul-tanate and Mughal period . CO-2.Thestudentscangoforresearchin ag-riculture development.
Paper – china & japan (1840-1950)	CO-1. The students can gain their knowledge through the different movements and developments in the history of China and Japan. CO-2. The students will know about the different events and re-nowned leaders.
Paper – USA (1820-1973)	CO-1. ThestudentsknowthechangescameinUSAfromtime-totime. CO-2. ThestudentscangoforresearchonUSAmodelsfordevel-opment.

Semester-III

Course	Outcomes After completionofthesecoursesstudentsshould beableto;
Paper – Punjab in 19thCentury	CO- 1.Tointroducesstudentstomajormovements inPunjabduring19thcentury . CO-2.The studentsknow aboutthe warsofPunjabin19thcentury.
Paper – Rise and Growth of co-lonialism in India	CO-1.Students will know about the colonial and imperial history and Diaspora. CO-2. Students can know about different theories of co-lonialism and modernization.
Paper– Gender Relations in modern India	CO-1.Thestudentsknowthedifferent changes in women uplift-ment through the history of gender . CO-2. It gives knowledge about the women participation in freedom struggle and role after independence.

Paper– National movement in India 1858-1947	CO-1. To recognize and explain historical trends (i.e historiography). CO-2. Study of national movement develops feeling of patriotism in the hearts of learners.

Semester-IV

Course	Outcomes After completionofthesecoursesstudentsshould beableto;
Paper – Punjab in 20thCentury	CO- 1.Tointroducesstudentstomajormovementsin Punjabduring20thcentury . CO-2.The students know about the partition and demographics ofPunjabin20th century.
Paper – History & HistoricalMethod	CO- 1.Toinstillsvaluesanduseofhistoricaldataforfindingoutmorepastfacts. CO-2.Studentscango inthefield ofResearch.
Paper – Religious Development in MedievalIndia	CO-1.Thestudentsknowthoughtsdevelopedinreligion fromtimetotime. CO-2.Thestudentscanthink aboutthereligious Developmentsand socialdevelopments.
Paper – Socio- Religious Reforms movements in ModernIndia	CO-1.Thestudentswillcometoknowthesocial issueswithcriticalattitude. CO- 2.TheStudentswillcometoknowthemajorreformsmovementinModernIndia. CO-3.Thestudentscanthinkaboutsocialchanges.

POST-GRADUATE DEPARTMENT OF COMMERCE

Course Outcomes of B.Com

B.com Semester I

Sr. No.	Name of the Course	Course Outcomes
1.	BCM101 A: PUNJABI	CO-1. The students know about the different streaks of human life by reading bibliography. CO-2. The students get the literary sense of comprehension of the subject. CO-3. The students know the skill of communication in Punjabi. CO-4. The students also know about the word formation and vocabulary. CO-5. The students know the bibliography as a form of literature.
2.	BCM101 B HISTORY AND CULTURE OF PUNJAB	CO1: To introduce the students to the history of the Punjab region. CO-2: The students enrich with the values and heritage of Punjab.
3.	BCM 102: ENGLISH AND BUSINESS COMMUNICATION SKILLS	CO1: It shall focus on different aspects of communication in general and business communication in particular, communication within organizations, types of communication, and significance of positive attitude in improving communication. CO-2. Developing language and writing skills CO-3. Writing of Tender, business letters, notice, memos, resume, and public notices. CO-4. Focus on interview techniques CO-5. Understanding and interpretation of short stories and one-act plays.
4.	BCM103: PSYCHOLOGY FOR MANAGERS	CO-1. To provide broad understanding about the basic concepts and techniques of human behavior. CO-2. To provide knowledge about the inter-personal behavior, conflict management and stress management. CO-3.To impart knowledge of motivation, leadership, perception and personality. CO-4.To provides knowledge about individual behavior, factors affecting individual behavior. CO-5. To impart knowledge of attitude, values, beliefs.
5.	BCM 104: BUSINESS ECONOMICS-I	CO-1. To study the basic of concept of Micro Economics relevant for business decision making. CO- 2. It helps students to understand the application of Economics Principles in Business Management. CO-3. Students understand about how to apply the concept of opportunity cost. CO-4. To study shapes of different cost curves. CO-5. Students analyse operations of markets under varying competitive
6.	BCM 105: PRINCIPLES OF FINANCIAL ACOUNTING	CO-1. To give conceptual knowledge about accounting concepts and Conventions. CO-2. Basic as well as practical knowledge about accounting treatment. CO-3. To provide knowledge about maintaining books under royalty

		,branch, consignment and joint venture with GST Implication. CO-4. Introduction to IFRS and Accounting Standards. CO-5. To study about dissolution and insolvency of Partnership firms.
7.	BCM 106: COMMERCIAL LAW	CO-1. Learn the difference between valid void and voidable contract. CO-2. Learn how to pursue the consumer rights under consumer protection act1982. CO-3. To acquaint the students with general commercial laws. CO-4. To understand basic principles and Origins in the area of commercial law. CO-5. To Identify the fundamental legal principles behind contractual agreements.
8.	BCM 107: PRINCIPLES AND PRACTICES OF MANAGEMENT	CO-1.To helps the students in understanding the process of business management. CO-2.To gives basic knowledge about the management functions. CO-3.To imparts basic knowledge of management by objective, its mechanism. CO-4. To give knowledge about the communication, motivation, leadership. CO-5. To give knowledge about the organizational structures, authority and delegation

B.com Semester II

Sr. No.	Name of the Course	Course Outcomes
1.	BCM201 A: PUNJABI	CO-1. The students enrich their aesthetic sense by reading bibliography. CO-2. The students know the nature of the subject in comprehension to the secondary level. CO-3. The students get more knowledge of Punjabi culture. CO-4. The students get strong on technical vocabulary.
2.	BCM201 B HISTORY AND CULTURE OF PUNJAB IN THE COLONIAL AND POST INDEPENDENCE TIMES	CO1: To introduce the students to the history of Punjab region in modern times.
3.	BCM 202 : ENGLISH AND BUSINESS COMUNICATION	CO-1. Creating an interest in literature CO-2.Understanding and interpretation of prose, short stories and plays. CO-3.Focus on different aspects of business communication in written form. CO-4. Basic understanding of Non-verbal communication. CO-5.Developing the skill of Effective listening. CO-6.Skilled use of modern forms of communication like e-mails, Fax Messages, Teleconferencing, Audio-Visual Aids and PowerPoint Presentations.
4.	BCM 203: E- COMMERCE	CO-1. Logically observed and experienced the main activities of E-Commerce. CO-2. Learned and evaluated about the various components of E-Commerce. CO-3. Conceptually learned the concept of online shopping and models of Electronic market. CO-4. Thoroughly learned the concepts of instant messaging and Electronic Data Exchange.

		CO-5. Learned about the implementation of HTTP and Secure Electronic transaction
5.	BCM 204: BUSINESS ECONOMICS-II	CO-1. Students will be able to identify the determinants of various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates. CO-2. Apply economic reasoning to understand the operation of an economy. CO-3. Understand the basics of national income accounting. CO-4. To provide knowledge about the basic concepts of distribution. CO-5. To enable students to learn about the modern tools of macroeconomic analysis.
6.	BCM 205: CORPORATE ACCOUNTING	CO-1. Preparation of final accounts of companies. CO-2.Practical knowledge of issue and redemption of debentures. CO-3. Practical knowledge of issue and redemption of shares. CO-4.To study how to maintain accounts of banking and insurance Companies. CO-5. Guidelines and procedure of issuing bonus and right shares
7.	BCM 206: BUSINESS LAWS	CO-1. Critically evaluate conditions and warranties of sale of goods act. CO-2. Able to use negotiable instrument in practical life. CO-3. Demonstrate understanding of the legal environment of business. CO-4.Communicate effectively using standard business and legal terminology. CO-5.To Aware students about the different business laws.
8.	BCM 207: HUMAN RESOURCE MANAGEMENT	CO-1.Learn the qualities of human resource manager in an organization. CO-2. Analysis the importance of different methods of training given to the employees in organization. CO-3. Memorize the difference between on the job training and of the job training. CO-4. To acquaint the participant of industrial relation and recruitment of good industrial relation programme.
9.	ENVIRONMENT, ROAD SAFETY EDUCATION, VIOLENCE AGAINST WOMEN/ CHILDREN AND DRUG ABUSE	CO1: To enhance the knowledge of the students regarding various environment issues, road-safety rules, and various abuses.

B.com Semester III

Sr. No.	Name of the Course	Course Outcomes
1.	BCM 301: ISSUES IN INDIAN COMMERCE	CO-1. To enable the students to acquire basic knowledge of different issues in Indian commerce. CO-2.To enhances the knowledge about the international sources of finance. CO-3. To give knowledge about stock exchanges, credit rating agencies. CO-4. To give knowledge about credit rating agencies and role of ICRA and CRISIL. CO-5.To imparts knowledge about the Investor protection, SFIO,

		growth of infrastructure in India, PPP.
2.	BCM 302: COST ACCOUNTING	CO-1. This Course exposes students to a broad range of Cost Accounting concept and terminology. CO-2. Student learn about how to identify, measure, accumulate direct and indirect cost, how to apply different costing techniques like Job Costing, Process Costing, CVP analysis etc. CO- 3. Students learn various inventory control techniques used by different concerns. CO-4. To give conceptual knowledge regarding allocation and apportionment of overheads.
3.	BCM 303: COMPANY LAW	CO-1. To update the knowledge of various provisions of the Companies Act of2013. CO-2. To apprise the students of new concepts involving in company law regime. CO-3. To acquaint the students with the duties and responsibilities of key managerial personnel. CO-4.To imparts depth knowledge about the provisions and procedures to hold various kinds of meetings under company law. CO-5.Understand the use of the memorandum of association, article of association in a company and prospectus in a company.
4.	BCM 304: BUSINESS MATHEMATICS AND STATISTICS	CO-1. Students will learn how to calculate and apply measure of location and measure of dispersion –grouped and ungrouped data cases. CO-2. Students will be able to compute and interpret the result of bivariate and multivariate regression and correlation analysis. CO-3. Students will be familiar with a variety of examples where mathematics or statistics helps accurately explain abstract or physical phenomena. CO-4. Students will recognize and appreciate the connection between theory and applications. CO-5. Students will be able to communicate key statistical concept to non statisticians.
5.	BCM 305: BANKING AND INSURANCE	CO-1. To acquaint the students with their Indian banking structure. CO-2. Detailed knowledge of various banking products. CO-3 To impart practical knowledge of operating ATM, CDM ,Debit &Credit cards, PAYTM Banking ,GOOGLE PAY &other e-banking modes. CO-4. To give complete picture on Insurance Industry &IRDA
6.	BCM-306: GOODS AND SERVICE TAX	CO-1.To gain working knowledge on GST and application of the same in the organizations. CO-2. To enable the students to learn the concepts indirect tax and GST from the pre GST period to post GST period. CO-3. To understand the implications of GST on the taxable capacity consumers, dealers and of the society at large and its changes CO-4. Understand and make use of knowledge of GST rules in

		taking managerial decisions in various tax related matters. CO-5. To enable students to learn about the various GST authorities.

B.Com Semester IV

Sr. No.	Name of the Course	Course Outcomes
1.	BCM 401: SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	CO-1. Analyze and evaluate financial markets, how securities are traded, mutual funds, investment companies, and investor behavior. CO- 2. Construct optimal portfolios and illustrate the theory and empirical applications of asset pricing models. CO-3. Explain macro and industry analysis, equity valuation, financial statement analysis and technical analysis. CO-4. Analyze bond prices and yields and fixed-income portfolios. CO-5. Characterize the implications of the market efficiency evidence on active portfolio management.
2.	BCM 402: ADVANCED ACCOUNTING	CO-1.To give conceptual knowledge to students about advanced accounting problems with relevant Indian Accounting Standard. CO-2. To give student's basic as well as practical knowledge relating to the valuation of shares and valuation of goodwill. CO-3. To provide deep knowledge to the students about the procedure of amalgamation and absorption. CO-4. To impart depth knowledge about the procedure of liquidation of companies.
3.	BCM403: AUDITING AND SECRETARIAL PRACTICE	CO-1. Student will understand the audit process from the engagement planning stage through completion of the audit, as well as the rendering of an audit opinion via the various report options. CO-2. To help the students in understanding concepts and issues in Auditing and secretarial practices. CO-3.To identifies the steps needed to prepare for an audit. CO-4. To know how to report results of audit plan and Audit taking into account concepts of evidence, risk and evaluate internal control. CO-5.To knows about the position and role of a company Secretary.
4.	BCM 404: COST MANAGEMENT	CO-1. To acquaint the students with the various methods of cost determination. CO-2. To understand the tools and techniques of cost control. CO-3. Able to prepare various budgets like fixed and flexible budgets. CO-4. Define the terms with regard to variance analysis. CO-5. Define the process to compute total cost of a product belong to various production processes.
5.	BCM 405: MARKETING MANAGEMENT	CO-1. Students can identify how consumer behaves differently. CO-2. Able to understand how a product passed from different stages. CO-3. Able to understand the difference between trademark and branding. CO-4. Able to describe the customer segmentation, target marketing and positioning. CO-5. Understand different methods of sale promotion.

6.	BCM 406: QUANTITATIVE TECHNIQUES AND METHODS	CO-1. Students will acquaint with the various quantitative techniques and methods. CO-2. Students will understand the theory of probability and applications of linear programming. CO-3. Students will understand the concept of correlation, regression and their practical implications. CO-4. Students can apply such techniques and methods in practical life. CO-5. It will help students in making managerial decisions

B.Com Semester-V

Sr. No.	Name of the Course	Course Outcomes
1.	BCM 501: INCOME TAX LAW	CO-1. To understand the provisions and procedure to compute total income under five heads of income i.e. salaries, house property, profits &gains from business &profession, capital gains and other sources. CO-2. To make aware about provisions of direct tax with regard to IT Act, 1961 and IT Rules, 1962. CO-3. To make aware about agriculture income, residential status and incidence/charge of tax. CO-4. Able to compute total income and define tax complicacies and structure. CO-5. Able to understand amendments made from time to time in Finance Act.
2.	BCM 502: MANAGEMENT ACCOUNTING	CO-1. To develop the knowledge of business finance and management decision. CO-2. To teach a sense of responsibility and a capacity for accounting for management. CO-3. To study the basic concepts of management accounting relevant in business. CO-4. To understand the usage of accounting in financial management.
3.	BCM 503: INDIAN ECONOMY	CO-1. TO give knowledge about Indian economy. CO-2. Detailed study of foreign trade, foreign trade policy. CO-3.Study of demographic features of Indian economy. CO-4. Study of economic reforms and its impact in Indian economy.
4.	BCM 504: PRODUCTION AND OPERATION MANAGEMENT	CO-1. To understand the basics of operations management terminology and technological trends. CO-2. To develop certain quantitative skills, competencies in the input transformation and output process. CO-3. To have knowledge about types of processes used in manufacturing. CO-4. Make familiar regarding demand forecasting, plant layout, location and supply chain management related decisions. CO-5. To have adequate knowledge about work study and work measurement.
5.	BCM 505: ENTREPRENEURSHIP AND	CO-1. To give knowledge about issues involved in setting up a private Enterprise and to develop required entrepreneurial

	SMALL BUSINESS	skills in economic development. CO-2. To motivate students to opt for entrepreneurship and self-employment as alternate career options. CO-3.To give knowledge about the small scale industries and role of SSI in India, problems faced by SSI, tax exemptions for SSI, small business and modern technology. CO-4. To impart knowledge of business planning, motivation, leadership, decision-making, innovation, risk taking. CO-5.To gives knowledge about the EDP's, relevance of EDP's and role of government in organizing EDP's.
6.	BCM 506: FINANCIAL MARKETS AND SERVICES	CO-1. To familiarize the students with the traditional and modern financial markets and services. CO-2. It helps the learners to understand the structure of Indian Financial System. CO- 3. It provides knowledge to the students about the types of financial markets their nature and working. CO-4. It helps the students to know about the concept of mutual funds, its management and its types.

B.Com Semester VI

Sr. No.	Name of the Course	Course Outcomes
1.	BCM 601: DIRECT TAX LAWS	CO-1. To understand the provision and procedure for clubbing &aggregation of incomes and set-off &carry forward of losses. CO-2. To understand the various deductions to be made from gross total income U/s 80-C to 80-U in computing total income. CO-3. To understand the provisions and procedure to compute total income and tax payable by an individual. HUF, Firms and AOP/BOI. CO-4. To understand various tax rebates &relief and procedure to file IT return. CO-4. To aware the students about the tax authorities and their powers. CO-5. Able to file IT return on individual basis.
2.	BCM 602: FINANCIAL MANAGEMENT	CO-1. To learn capital budgeting and different techniques. CO-2. To study effective financial planning. CO-3. Students will able to understand the concept of working capital management. CO-4. Perform analytical reviews of financial results, proposals, and plans. CO-5. Identify funding sources, instruments, and markets.
3.	BCM 603: ISSUES IN FINANCIAL REPORTING	CO-1. The main purpose of this subject is to provide to knowledge to the students about development in financial reporting. CO-2. Students learn about the various reporting issues at the national and international level. CO-3. To provide conceptual knowledge of framework of FASB and IASB. CO-4. To study about the recent trends in FR in the Indian Contest.
4.	BCM604: SOCIAL AND BUSINESS ETHICS Objectives	CO-1. Develop strategies for identifying and dealing with typical ethical issues, both personal and organizational.

		CO-2. The student will be able to analyze various ethical codes in corporate governance. CO-3. The student will be able to Analyze corporate social Responsibility. CO-4. Students will be able to understand the environmental issues regarding business.
5.	BCM 605: OPERATIONAL RESEARCH*	CO-1. Students will understand the concept and techniques of operations research. CO-2. Identify and develop operational research models from the verbal description of the real system. CO-3. Understand the mathematical tools that are needed to solve optimization problems. CO-4. Use mathematical software to solve the proposed models. CO-5. Develop a report that describes the model and the solving technique, analyze the results and propose recommendations in language understandable to the decision-making processes in Management Engineering.
6.	BCM 606: SECTORAL ASPECTS OF INDIAN ECONOMY	CO-1. To study about ways to enhance agricultural productivity. CO-2. To share benefits of organic and corporate farming. CO-3. Study of latest industrial policy with five year plans. CO-4. To determine problems of large scale and small scale industries. CO-5. To throw light on problems of Indian economy with special reference to inflation,unemployment.

B.COM. (HONS.) ACCOUNTING & FINANCE

Sr. No.	Name of the Course	Semester	Course Outcomes
1	BCH 307: ACCOUNTING THEORY AND REPORTING PRACTICES	3rd SEMESTER	CO1: To provide broad understanding to the students about the basic concepts, theories and policies regarding accounting theory. CO2: To acquaint students with history and development of accounting.
2.	BCH407: CONTEMPORARY ISSUES IN ACCOUNTING	4th SEMESTER	CO1:To acquainting students with the contemporary issues in accounting like finacial instruments, forensic accounting. CO2: To aware students about the role of international accounting standards board.
3.	BCH 507: STRATEGIC FINANCIAL MANAGEMENT	5th Semester	CO1:To enable the students to understand various financial management concepts and to apply financial management theories and techniques for strategic decision making and informed analysis. CO2: It aims at enabling students to manage basic corporate finance transactions besides investing more profitably and operate more efficiently.

4.	BCH607: INVESTMENT MANAGEMENT	6th Semester	CO1: To provide a broad overview of investment management, focusing on the application of finance theory to the issue faced by portfolio managers and investors in general. CO2: To enable the students to get theoretical and practical background in the field of investments, financial markets, valuation of investment and different investment strategies. CO3: Students will know 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.

Course Outcomes

Name of the course- M.Com

M.com Semester- I

Sr. No.	Name of the Course	Course Outcomes
1	M.C.101 MANAGERIAL ECONOMICS	CO-1. To integrate the basic concept of Economics with the tools of mathematics and statistics in order to analyze and make optimal business decisions. CO-2. To understand the role of managers informs. CO-3. To analyze the demand and supply condition and access the position of a company. CO-4. To design competitive strategies including pricing, marketing
2	M.C.102 QUANTITATIVE METHODS FOR BUSINESS	CO-1. To understand statistical tools for quantitative analysis CO-2. To understand the statistical tools for research and business decision making. CO-3. To develop an understanding of the theory of probability, rules of probability and probability distributions. CO-4. To comprehend the decision making process under uncertainty using statistical tools. CO-5. To become aware of the concepts in sampling, sampling distributions and estimation. CO-6. To understand the meaning and process of hypothesis testing including one-sample and two-sample tests.
3	M.C.103 MODERN ACCOUNTING THEORY &REPORTING PRACTICES	CO-1. To give knowledge about the IASB and its conceptual framework. CO-2. To give basic and conceptual knowledge about international financial reporting standards and practices. CO-3.To imparts knowledge of Harmonization process, and its benefits. CO-4. To impart basic and conceptual knowledge of preparation of financial statements for single entities as well as combined entities. CO-5. To give basic and conceptual knowledge about presentation and disclosure of financial statements.
4	M.C.104 ORGANISATION THEORY AND BEHAVIOUR	CO-1. To develop understanding among students about the structure and behavior of organizations. CO-2. To make them capable of realizing the competitiveness of

		firms. CO-3. To impart knowledge about organization structures, organizational culture, organization development. CO-4.To impart knowledge of stress management, conflict management. CO-5.To give knowledge about motivation, leadership, group decision- making and communication.
5	M.C.105 MARKETING MANAGEMENT	CO-1. To equip the students to take effective distribution decisions for products and services. CO-2. To develop the skills among students to enable them to design the Promotion-Mix strategies advertising campaigns. CO-3. To make the students aware about the current trends in marketing to enable them to take proactive measures while taking marketing decisions. CO-4. To familiarize the students with the fundamentals of marketing to enable them to take better marketing decisions.
6	M.C.106 MANAGEMENT INFORMATION SYSTEM	CO-1. Enable students to identify how Information Systems support business strategy business processes and practical applications in an organisation CO-2. Enable students to interrelate how various support systems can be used for business decisions and to sustain competitive advantage CO-3. Describe how the Internet and world wide web provide a global platform for business business mobility and Communications collaboration and cloud computing. CO-4. Express the proven value of and relationship between business data, data management and business intelligence. CO-5. Analyse systems development and project management methodologies CO-6. Help students to learn MIS challenges future Trends and relevant case studies CO-7. Express ethical awareness and moral reasoning applied to MIS.
7	M.C. 107 Workshop on IT Applications in Commerce	CO-1: This will help the students gaining insights into IT applications in Commerce

M.com Semester- II

Sr. No.	Name of the Course	Course Outcomes
1	M.C.201 BUSINESS ENVIRONMENT	CO-1. To study about features of prevailing business environment. CO-2. To study about MNC'S and their impact in the country. CO-3. Detailed study of how stock market, capital market, money market effect business environment. CO-4.Study of latest industrial policy and critical evaluation of the same.
2	M.C.202 RESEARCH METHODOLOGY IN COMMERCE	CO-1. To impart knowledge about the various stages of research process and their application in commerce and management education. CO-2. The aim of courses to be provides the students with an introduction to research methods and report writing. CO-3. To develop understanding on various kinds of research,

		objectives of doing research, research design and sampling. CO-4. Have basic awareness of data analysis and hypothesis testing procedure.
3	M.C.203 FINANCIAL MANAGEMENT AND POLICY	CO-1. Skill to manage financial resources of a company. CO-2. Knowledge about the various sources of finance available to businessmen these days. CO-3. Ability to select an investment proposal by analyzing the compounded and discounted value of money invested. CO-4. To acquaint the students regarding the various types of decisions taken by financial managers in current competitive environment. CO-5. To enable students to select an investment project out of alternative investment proposal.
4	M.C.204 PRODUCTION AND MATERIALS MANAGEMENT	CO-1. To impart knowledge regarding production and management techniques. CO-2. To understand the production process and tools. CO-3.To acquaints the students with the knowledge of marketing function and techniques. CO-4. To give knowledge about functions and quality control techniques. CO-5. To give details about strategic importance, layout of production and materials management.
5	M.C.206 BUSINESS POLICY &STRATEGIC MANAGEMENT	CO-1. Familiarization with the strategic management process. CO-2.Understanding about the techniques to scan an environment and the role of environment scanning in hurdle less strategic management of an organization. CO-3.Understanding about the equal importance of strategy formulation and strategy implementation. CO-4.Clarity about the strategies followed by different companies in the corporate world. CO-5. To make students understand and formulate different strategies at business level and corporate level.
6	M.C. 205 - OPERATIONS RESEARCH	CO-1.To make students understand the concepts and techniques of Operations Research for business decision making. CO-2. Identify and develop operational research models from the verbal description of the real system. CO-3. Understand the mathematical tools that are needed to solve optimization problems. CO-4. Develop a report that describes the model and the solving technique, analyze the results and propose recommendations in language understandable to the decision-making processes in Management Engineering.
7	M.C. 207 Summer training and project report	CO-1: This will help the students gaining practical experience by applying metholodogies in commerce in real industries.

M.com Semester- III

Sr. No.	Name of the Course	Course Outcomes
1	M.C.301 Business Performance Measurement	CO-1. To study techniques of measuring corporate performance. CO-2. To study techniques of enhancing corporate performance. CO-3. Comparison of traditional and modern techniques of

		Performance Measurement. CO-4.Steps of setting SMART goals and achieving the same.
2	M.C.302 TAX PLANNING AND MANAGEMENT	CO-1. To enable students to understand various aspects of corporate planning with a view to derive maximum possible tax benefits. CO-2. To familiarize the students with the latest updates of tax law. CO-3.To enable students to understand tax implications for different forms of business. CO-4. To understand the implications of GST on the taxable capacity consumers, dealers and of the society at large and its changes. CO-5. To make them to be a tax consultant in preparing the tax planning, tax management, payment of tax and filing of tax returns.
5	MC. 305 Human Resource Development	CO-1. : Build an understanding, perspective and appreciation for HRD as discipline, process and activity. CO-2: Critically evaluate the exiting theoretical edifice of HRD in order to draw a sketch of HRD relevant in present times. CO-3: Develop skills to assess need for HRD intervention, design learning and development programs and evaluation of HRD programs. CO-4: Develop a perspective to understand organizational dynamics and learning challenges possessed by organizational and social complexities. CO-5: Integrate human with technology and other emerging realities in order to understand how theory unfolds itself in present world of practice.
6	MC. 306 Industrial Relations	CO-1. To give knowledge about industrial relations. CO-2. To make them understand the importance of industrial relations for an organization. CO-3. To give knowledge about trade unions, role of trade unions, trade unions in different countries. CO-4.To give knowledge about dispute resolution and to impart knowledge of labor welfare. CO-5.To impart knowledge of trade union act 1926
5	MC. 313 - BANK MANAGEMENT	Co-1. To acquaint the participants with the operations and functions of corporate investment and retail bankers. CO-2. To acquaint the participants with the Non-performing assets ant their management. CO-3. To acquaint students with various facets of E-Banking and security measures to be taken. CO-4. To familiarize students with the banking structure in India.
6	MC. 314 - INSURANCE MANAGEMENT	CO-1. To familiarizing the participants with the concept of insurance, the risk and its management and their structure along with the legal dimensions involved. CO-2. To provide the knowledge of Insurance Company's Management. CO-3. To aware students about various general and life insurance policies and rules and regulations involved in it. CO-4. To give detailed knowledge about contract of insurance

		and the principles on which it stands.
7	MC. 315- WORKSHOP ON FINANCIAL MARKETS AND INSTRUMENTS	CO-1. To inculcate adequate presentation skills in students. CO-2. Detailed knowledge about financial markets. CO-3. To impart depth knowledge of derivatives and factoring. CO-4. Detailed study on capital market, money market and stock market. CO-5.To give complete picture on mutual funds.

M.com Semester- IV

Sr. No.	Name of the Course	Course Outcomes
1	M.C.401 PROJECT PLANNING AND CONTROL	CO-1. Manage the scope, cost, timing, and quality of the project, at all times focused on project success as defined by project stakeholders. CO-2.Align the project to the organization's strategic plans and business justification throughout its lifecycle. CO-3.Identify project goals, constraints, deliverables, performance criteria, control needs, and resource requirements in consultation with stakeholders. CO-4. Implement project management knowledge, processes, life cycle and the embodied concepts, tools and techniques in order to achieve project success.
2	M.C.402 KNOWLEDGE MANAGEMENT .	CO-1. To aware the students about the details of knowledge management. CO-2. To create knowledge about the concept in changing scenario. CO-3.To discusses its significance in framing the business strategy. CO-4. To discuss knowledge management as a tool of excellence. CO-5. To give details of knowledge management system.
3	M.C.403 BUSINESS ETHICS AND CORPORATE GOVERNANCE	CO-1. To create a framework for effective corporate governance by understanding the role and responsibility of different stakeholders in large corporate and how their interplay results in alternate governance structures in different countries. CO-2: To appreciate the accountability of corporations towards its stakeholders and society and to create an integrated value framework for Sustainability. CO-3: To serve as an effective board member, build professional boards and as senior managers contribute to strengthening board performance. CO-4: To know about rights and responsibilities of shareholders. CO-5: To build and monitor systems that has strong internal control to prevent corporate frauds. CO-6: To appropriately address ethical issues such as conflicts of interest and insider trading.
4	MC. 407 ORGANISATIONAL CHANGE AND DEVELOPMENT	CO-1. To impart basic knowledge about change management. CO-2. To learn theories of processed change. CO-3. Detailed comparison of coaching and mentoring. CO-4. To study about OD interventions in detail.

5	MC. 408 TRAINING AND DEVELOPMENT	CO-1. To familiarize the students with basic concepts and principles of training and development of human resource. CO-2. To train them to understand the learning environment of a firm. CO-3.The knowledge so obtained will make them capable of providing training to human resource of a business firm. CO-4. To create awareness about assessment of training needs and curriculum development. CO-5. To discuss the emerging pattern of training and development in India.
6	MC. 409 COMPENSATION MANAGEMENT	CO-1. To promote understanding in issues related to compensation in corporate sector. CO-2. To provide knowledge about skills in designing, analyzing and restructuring compensation management system, policies and strategies. CO-3. How compensation be used as a motivational tool? CO-4. To provide in depth knowledge regarding how to frame compensation policy for corporate directors, senior managers, R &D Staff, Sales Executive etc. CO-5. Students learn about the role of trade unions in compensation management.
7	MC 422: COMPREHENSIVE VIVA VOCE	CO-1: The VIVA-VOCE will be based on the content of the subjects studied by the student during the all four semesters. It is focused to give students the opportunity to present their knowledge gained throughout the four semesters.

Course Outcomes

Name of the Course- M.COM (Accounting and Finance)

M.Com (Accounting & Finance) Semester I

Sr. No.	Name of the Course	Course Outcomes
1	MAF6101: ORGANISATIONAL BEHAVIOUR	CO-1. To emphasizes the importance of human capital in today's organisations. CO-2. To gives an insight to the students regarding individual and group behavior in any organisation. CO-3. To impart knowledge about organization structures, organizational culture, organization development. CO-4.To impart knowledge of stress management, conflict management. CO-5.To give knowledge about motivation, leadership, group decision- making and communication.
2	MAF6102: ADVANCED ECONOMIC THEORY	CO-1. To acquaint students with the concepts of economic theory and their use in business decision making. CO-2. The effort is to make them capable of using various concepts to deal with business problems in a global economic environment. CO-3. To understand the role of managers informs. CO-4. To analyze the demand and supply condition and access

		the position of a company. CO-5. To design competitive strategies including pricing, marketing
3	MAF6103: INTRODUCTION TO QUANTITATIVE METHODS	CO-1. To acquaint the students with various statistical tools and techniques used for business decision making with emphasis on their applications to business and economic situations. CO-2.
4	MAF6104: FINANCIAL MANAGEMENT	CO-1.To acquaint students with the basic analytical techniques and methods of financial management of business firms. CO-2.The course also provides students an exposure to certain sophisticated and analytical techniques that are used for taking financial policy decisions.
5	MAF6105: BUSINESS ENVIRONMENT :	CO1- To expose the students to the effect of various national and global environmental factors on business processes. CO-2. To enable them to scan business opportunities and take decisions under uncertainty.
6	MAF6106: WORKSHOP ON COMPUTER APPLICATIONS	CO-1.This course aims at developing skills in handling computer and its use as a strategic resource in management. CO-2. To enable students in applying various computer applications in work arena.
7	MAF6107: WORKSHOP ON COMMUNICATION SKILLS	CO-1. This course aims at developing the communication skills of students – both written and oral. CO-2.The students will learn how to analyze cases and prepare case reports.

M.Com (Accounting & Finance) Semester II

Sr. No.	Name of the Course	Course Outcomes
1	MAF6201: MANAGEMENT ACCOUNTING	CO-1. This course aims to acquaint the students about the role, concepts, techniques and methodology relevant to accounting function CO-2. To impart knowledge regarding the use of cost accounting information in managerial decision making
2	MAF6202: MANAGEMENT OF FINANCIAL SERVICES	CO-1.This course aims at acquainting the students with the developments in the areas of financial services . CO-2. To develop their skills to manage financial services . CO-3. To give an insight into the strategic, regulatory, operating and managerial issues concerning various financial services.
3	MAF6203: MERGERS AND ACQUISITIONS	CO-1. This course is an overview of corporate restructuring transactions that aims to develop an understanding of mergers and acquisitions (M&A) as a significant economic activity taking place in today's economy. CO-2. It will expose students to transactions significantly affecting the corporation's assets, liabilities and/or equity claims . CO-3. To explain students various real-life examples of

		mergers and acquisitions of big corporations.
4	MAF6204: CORPORATE TAXATION	CO-1. To develop an understanding of issues related to taxation for corporate entities . CO-2. To enable students for decision making management to facilitate constructive planning of tax liability.
5	MAF6205: RESEARCH METHODOLOGY	CO-1. To course attempts to expose the students to the basic concepts of research methodology . CO-2. The aim of courses to be provides the students with an introduction to research methods and report writing. CO-3. To develop understanding on various kinds of research, objectives of doing research, research design and sampling. CO-4. Have basic awareness of data analysis and hypothesis testing procedure.
6	M.C. 207 SUMMER TRAINING AND PROJECT REPORT	CO-1: This will help the students gaining practical experience by applying metholodogies in commerce in real industries.

M.Com(Accounting & Finance) Semester III

Sr. No.	Name of the Course	Course Outcomes
1	MAF7101: STRATEGIC COST MANAGEMENT	CO-1. To clarify how to use different techniques of cost management with a strategic perspective. CO-2. Make familiar regarding demand forecasting, plant layout, location and supply chain management related decisions. CO-3. To have adequate knowledge about work study and work measurement.
2	MAF7102: MULTINATIONAL BANKING	CO-1. To familiarize students with the importance and techniques used for effective operations and working of the multinational banks. CO-2. To aware students with multinational banking reforms and problems.
3	MAF7103: FINANCIAL REPORTING AND ANALYSIS	CO-1. To prepare students to interpret and analyze financial statements effectively CO-2. Students learn about the various reporting issues at the national and international level. CO-3. To provide conceptual knowledge of framework of FASB and IASB. CO-4. To study about the recent trends in FR in the Indian Contest.
4	MAF7104: SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	CO-1. To acquaint students with the theoretical and practical aspects of investment analysis for security selection and portfolio management purposes. CO- 2. Construct optimal portfolios and illustrate the theory and empirical applications of asset pricing models. CO-3. Explain macro and industry analysis, equity valuation, financial statement analysis and technical analysis. CO-4. Analyze bond prices and yields and fixed-income

		portfolios. CO-5. Characterize the implications of the market efficiency evidence on active portfolio management.
5	MAF7105: BANK MANAGEMENT	CO-1. To acquaint the participants with the operations and functions of corporate investment and retail bankers. CO-2. To acquaint the participants with the Non-performing assets ant their management. CO-3. To acquaint students with various facets of E-Banking and security measures to be taken. CO-4. To familiarize students with the banking structure in India.
6	MAF7106: INSURANCE MANAGEMENT	CO-1. To familiarizing the participants with the concept of insurance, the risk and its management and their structure along with the legal dimensions involved. CO-2. To provide the knowledge of Insurance Company's Management. CO-3. To aware students about various general and life insurance policies and rules and regulations involved in it. CO-4. To give detailed knowledge about contract of insurance and the principles on which it stands.

M.Com(Accounting & Finance) Semester IV

Sr. No.	Name of the Course	Course Outcomes
1	MAF7201: BUSINESS ETHICS AND CORPORATE GOVERNANCE	CO-1. This course considers the stance of ethics and ethical conflict as well as the role of corporate governance and its increasing impact in the management of organisations. CO-2: To appreciate the accountability of corporations towards its stakeholders and society and to create an integrated value framework for Sustainability. CO-3: To serve as an effective board member, build professional boards and as senior managers contribute to strengthening board performance. CO-4: To know about rights and responsibilities of shareholders. CO-5: To build and monitor systems that has strong internal control to prevent corporate frauds.
2	MAF7202: MANAGEMENT CONTROL SYSTEMS	CO-1. This course facilitates students to gain knowledge, develop insight and analytical skills related to design and implementation of management control systems in organisations. CO-2. To make them familiar with modern control techniques. CO-3. To enable students to assess the goals of a companyn in terms of productivity, profitability or efficiency.
3	MAF7203: INTERNATIONAL FINANCIAL MANAGEMENT	CO-1.This course aims to introduce the environment of international finance and its implications on international business. CO-2. Knowledge about the various sources of finance

		available to businessmen these days. CO-3. Ability to select an investment proposal by analyzing the compounded and discounted value of money invested. CO-4. To acquaint the students regarding the various types of decisions taken by financial managers in current competitive environment. CO-5. To enable students to select an investment project out of alternative investment proposal.
4	MAF7204: PROJECT MANAGEMENT AND CONTROL	CO-1.This course aims to advance a sound understanding of the theory and practice of project management. CO-2.Align the project to the organization's strategic plans and business justification throughout its lifecycle. CO-3.Identify project goals, constraints, deliverables, performance criteria, control needs, and resource requirements in consultation with stakeholders. CO-4. Implement project management knowledge, processes, life cycle and the embodied concepts, tools and techniques in order to achieve project success.
5	MAF7205: FINANCIAL ENGINEERING	CO-1.This course aims at enabling the students to understand and analyze investment problems. CO-2. To develop their skills for the solution of these problems with the help of innovative financial processes, instruments and strategies. CO-3. To provide students with comprehensive technical knowledge o derivative pricing, investment strategies and portfolio management.
6	MC 422: COMPREHENSIVE VIVA VOCE	CO-1: The VIVA-VOCE will be based on the content of the subjects studied by the student during the all four semesters. It is focused to give students the opportunity to present their knowledge gained throughout the four semesters.

Guidance and counseling (certificate Course)

Course	OUTCOMES(AFTER COMPLETION STUDENTS WILL BE ABLE TO-)
INTRODUCTION TO GUIDANCE	1. To understand the meaning, principles, needs and types of guidance 2. To have a detailed knowledge about various guidance services 3. To organize guidance programme in elementary and secondary schools 4. To develop skills in using technology for guidance purpose
INTRODUCTION TO COUNSELLING	1. To understand the meaning, types and techniques of counseling 2. To learn about approaches of counseling 3. To develop counseling skills in conducting counseling sessions 4. To learn about new emerging areas of counseling

GUIDANCE AND COUNSELLING (DIPLOMA)

PAPER	OUTCOME(AFTER COMPLETION STUDENTS WILL BE ABLE TO-)
EDUCATIONAL AND PSYCHOLOGICAL APPRAISAL	1. To understand the concept of educational and psychological appraisal 2. To know the criteria of selection of a test and characteristics of a good test 3. To learn to administer and interpret psychological tests to know the individual abilities and personality aspects 4. To make appropriate use to achievement and diagnostic test in locating learning difficulties 5. To master elementary statistics and apply it in student's appraisal
COUNSELLING CHILDRE AND ADOLESCENTS WITH DIFFERENT ABILITES	1. Understanding the needs and problems of children and adolescents with exceptional abilities 2. Identification of academic, social, emotional and vocational problems of students 3. Conducting individual and group counseling 4. Preparing case history, doing case analysis and preparing profile of the case

FOUNDATION COURSE IN HUMAN RIGHTS EDUCAT

(3 Months)

Course Outcomes

FOUNDATION COURSE IN HUMAN RIGHTS EDUCATION((3 months)	**Objective of the Course: The Foundation Course aims to impart to the students a general idea of the principle aspects of human rights and duties. It seeks to address the meaning, nature and scope of human rights and duties; basic international human rights norms, the normative and institutional framework of human rights and duties in India, and Indian societal problems.**
Paper 1- Fundamentals of Human Rights and Duties Max. Marks: 50 Theory : 40 Marks Int. Ass. : 10 Marks Time : 2 Hours	CO.1.Students enable to understand the nature and scope of Human Rights, Meaning, Nature and Scope CO.2. Students enable to understand the Duties. Its Meaning and Typesand Interrelationship between Rights and Duties CO.3. Students enable to understand the Historical Development of Human Rights, Magna Carta 1215, English Bill of Rights 1689,American Declaration of Independence 1776,French Declaration of the Rights of Man and of the Citizen 1789 , International Bill of Rights

	CO.4. Students enable to understand the Universal Declaration of Human Rights 1948, International Covenant on Civil and Political Rights 1966,International Covenant on Economic, Social and Cultural Rights 1966
Paper 2: Human Rights and Duties in India Max. Marks: 50 Theory : 40 Marks Int. Ass. : 10 Marks Time : 2 Hours	CO.1.Examining Indian Constitution, Fundamental Rights ,Directive Principles of State Policy ,Fundamental Duties CO.2 Students enable to understand theEnforcement and Protective Mechanism, Role of Judiciary , Role of National Human Rights Commission and Punjab State Human Rights Commission CO-3Students enable to understand the Role of Non-Governmental Organizations CO-4Students enable to Analyzing the Core Societal Problems I. Poverty and Illiteracy II. Discrimination against Women III. Discrimination against Children

Programme Outcome:
Environmental Auditing (Certificate course)

Course name	**Outcomes**
Paper Name: Basics of Ecology.	**CO 1:** The concept of Ecology provides the essential basis for nature conservation and maintaining a mosaic of habitats ensuring the survival of a rich variety of species. **CO 2:** It will enable the students to have an idea about the various pollutions in the ecosystem that are disturbing the balance of the nature. **CO 3:** The concept of sustainable development teaches the students to learn the optimum uses of the non-renewable resources of the earth **CO 4:**To apply methodologies for the use of renewable resources in the survival of the mankind and making predictions about future climate change. **CO 5:**Understand fundamental concepts, principles and processes underlying the field of Environmental Science, its interdisciplinary nature and create and disseminate knowledge to the students about environmental problems at local, regional and global scale. **CO 6:**Demonstrate an understanding of a wide range of Environmental techniques (e.g. basic water and soil analysis, microbiological methods, Ecological data analysis, statistical data analysis and its applications, mathematical modelling.

Paper name: Introductory Biology (for non med students)	**CO 1:**Demonstrate an understanding of Variety of Life: Classification, Prokaryotes, Eukaryotes different kingdoms such as Viruses, Fungi, Protista, Plantae, Animalia; **CO 2:**Basic understanding of Taxonomy, Taxonomic hierarchy as introduced by Linnaeus, Species, Artificial and Natural Classification, Speciation: Selection- artificial and natural, Concept of species, Intra-specific speciation. **CO 3:**To make them understand about Water Relations: Absorption and movement of water in plants: Osmosis, Water potential, Solute potential, Pressure potential, Diffusion, Transpiration, factors affecting it; Ascent of Sap and its theories, Apoplast and Symplast pathway Mineral Relations/uptake: Mineral nutrition in plants- essential macro and microelements, their importance and deficiency symptoms. **CO 4:**Various Adaptations: Morphological, Anatomical and Physiological adaptations of Xerophytes and Hydrophytes Autotrophic Nutrition: Grouping of organisms as per their carbon source, Photosynthesis-primary and secondary processes of photosynthesis, Chemosynthesis, C4 and CAM plants. [Genetics: **CO 5:**Classical genetics of Mendelian era, Mendel's work, Chromosomal basis of inheritance, Variation and mutation. **CO 6:**Pathology: Bacterial, Fungal, Viral diseases and physiological disorders in plants, their symptoms and means of control. **CO 7:**Basic understanding of Biotechnology, its application in plant sciences and environment, Treatment of water, solid waste, organic slurries, remediation of soil and water. Chemicals of Life: Proteins, Carbohydrates, Lipids, Amino acids, Nucleic acids, Secondary products.
Paper Name: Introductory Mathematics (for students from medical stream)	**CO 1**: Students will be able to understand basics of Algebra: Binomial theorem, Permutation and combination, Mathematical induction Sets: Theory, Operation, Relations, Functions, Binary operations. Equations: Quadratics equations with real coefficients. **CO 2:**Trigonometry: Trigonometric identities and functions Exponential and Logarithmic series. **CO 3:** Understand the Vectors and their application, Calculus: Basic differential and integral calculus with working knowledge and its applications; Continuity and Differentiability, Application of dy/ dx; Integration- definite and indefinite and their properties. **CO 4:**Researches in this field will provide different job-oriented courses which will be beneficial to the students

COURSE (Semester1)	**OUTCOME (A**fter completion students will be able to-)
Paper code – EDUC01 EDUCATION IN EMERGING INDIAN SOCIETY	CO1-Describe development of Indian education from ancient period to an independent nation. CO2-Describe the recommendations of various commissions since independence. CO3- State various provisions of education in Indian constitution. CO4- Explain in detail the role of education in social and cultural change. CO5- Explain the relationship of education with economic issues such as poverty, inequality & unemployment
Paper code – EDUC02 SCHOOL ORGANIZATIO N AND ADMINISTRATION	CO1- Differentiate between the concepts of school administration, school organization and school management. CO2-Describe a school plant and its components. identify the need, scope and purpose of educational planning in terms of national and community needs. CO3- Acquire knowledge of duties of school head and teachers CO4-Understand the concept of institutional planning and prepare an institutional plan. CO5- Acquire knowledge about the preparation of time table & maintenance of different school records and registers
PAPER III: BSCBED-ENGC11: ENGLISH (COMPULSORY)	CO1. Make use of competence in all the four skills i.e. Listening, Speaking, Reading and Writing. CO2. Describe and use new pedagogic practices in the teaching of both language and literature. CO3.Devise and promote student centric pedagogic techniques for the teaching of English. CO4. Describe implications of teaching/learning language through literature.
PAPER IV: BSCBED-PBIC11: PUNJABI (COMPULSORY)	fJ; g/go dk wzsteftsk dh g[;se dk fBeNnfXn?BeoBk j?. • gzikph ;kfjsftuethnKdhnKouBKtKpko/ ikDekoh d/Dk j?. • ouBkftu'AftukoK B{z rqfjDeoB dh ;{M g?dkeoBk. • ftnkeoDftuftnkeoD dh gqhGkôk, b/y s/ ;zy/g ouBkpko/ ;{M d/Dk j?.
B.SC.B.Ed.MAT011 MATHEMATICS	CO1 Explain the properties of real numbers. CO2 Understand the general equations of pair of straight lines, circle & conic. State and prove various theorems of calculus. CO3 Apply D'Moivre's theorem and Gregory Series. CO4 Use the basic concept of matrices in a system of Homogeneous equations

BSCBEDBOTO11 BOTANY	CO1 Aware about the diversity in various life forms of plant kingdom. CO2 Understand about the most simple group of plants. CO3 Describe the algae and fungi and got familiarize with their structural differentiation
BSCBEDZOOO11 ZOOLOGY	CO1 Understand the classification upto orders. CO2 Identify the ecological notes and economis importance of animals. CO3 Differentiate between prokaryotic and eukaryotic cell. CO4 Describe the structure of cell & its organelles.
BSCBEDCHEO11 CHEMISTRY	CO1 Explain silicones and phosphazenes as inorganic polymers CO2 Describe the theoretical basis of hardness and softness CO3 Describe the electronic spectra of transition metal complexes CO4 Explain magnetic properties of transition metal complexes CO1 Explain the structure and stereochemistry of amino acids CO2 Explain the structures of peptides and proteins CO3 Explain the synthesis of various synthetic polymers CO4 Explain the synthesis of organometallics compounds CO1 Define space lattice, unit cell and miller indices • Explain laws of crystallography CO2 Explain X-ray diffraction by crystals CO3 Explain photochemical processes and laws of photochemistry CO4 Explain the photochemistry of carbonyl compounds and alkenes
BSCBEDPHYO11 PHYSICS	CO1 Explain various Laws of mechanics, Kepler's laws & Elastic collision in Lab. and C.M. systems CO2 Describe Simple Harmonic Motion, various kinds of Oscillators and Qvalue Understand & apply Vector Calculus, Poisson and Laplace's equation&Stoke's theorem, CO3 Gauss's divergence theorem, Coulomb's Law CO4 Explain, induced dipole moment and atomic polarizability. Electric susceptibility and polarization vector.

COURSE (Semester2)	**OUTCOME (A**fter completion students will be able to-)
PAPER CODE-EDUC03	CO1- Define the concept of education and give details of its parameters.

	CO2- Identify the relationship between philosophy and education. CO3- Identify the relationship between sociology and education. CO4- Describe the philosophy of the educational thinkers, prescribed in the syllabus. CO5-Identify the relationship of education with socio-cultural change, modernization and social mobility.
PAPER CODE – EDUC04	CO1- Describe concept of educational psychology and explain its significance CO2- Discuss the meaning of intelligence, measurement and theories. CO3- Understand individual differences, their meaning, areas & role in individual development. CO4- Understand the nature and needs of exceptional children. CO5- Understand the recent trends in the education of exceptional children.
BSCBEDMAT021 MATHEMATICS	CO1 Explain the concepts related to solid Geometry. CO2 Understand the concept of transformation of axes. CO3 Use calculus in solving problems. CO4 Explain the theory of equations.
BSCBEDBOTO21 BOTANY Plant Diversity-II & Genetics	CO1 Describe about the diversity in various lifeforms of plant kingdom. Explain about how different life forms have evolved from simpler to complex ones. CO2 Acquire knowledge about broad prospective of evolutionary trends in plant kingdom. CO3 Highlight various aspects of hereditary trends observed in successive generations. CO4 Explain the genetic basis of evolutionary trends in plants. CO5 Recognize important role that genetics plays in structural and functional differentiation of plants.
BSCBEDZOOO21 ZOOLOGY BIODIVERSITY & ECOLOGY	CO1Understand the classification up to orders. CO2 Identify the ecological notes and economic importance of animals. CO3 Differentiate between renewable and non-renewable natural resources CO4 Describe ecosystem and its components. CO5 Explain inter and intra ecological relationships.
BSCBEDCHEO21 CHEMISTRY	CO1 Explain the concept close packing, various ionic structures, radius ratio rule and coordination number CO2 Explain semi-conductors and explain chemical behaviour of ionic solids compare (including diagonal relationship) group 13-14 elements and 15-17 elements CO3 Explain compounds like hydrides, oxides, oxyacids and

	halides of groups 13-14 and 15-17 CO4 Explain hydrides of boron-diborane and higher boranes, fullerenes, carbides and fluorocarbons CO1 Explain methods of formation of alkanes and their physical and chemical properties CO2 Describe mechanism of free radical halogenations of alkanes Methods of formation of cycloalaknes and their chemical reactions CO3 Describe methods of formation of alkenes Explain chemical reactions of alkenes and discuss their mechanisms CO1 Explain various thermodynamic terms CO2 Describe the first law of thermodynamics CO3 Explain the concept of standard state, standard enthalpy of formation, enthalpy of neutralization CO4 Calculate bond-dissociation energy
BSCBEDPHYO21 PHYSICS	CO1 Describe Rigid Body motion, Centrifugal and Coriolis forces, MichelsonMorley experiment CO2 Explain special theory of relativity, Lorentz transformations, Relativistic Doppler effect, & concepts of Minkowski space, four vector formulation CO3 Understand various Types of waves, Physical interpretation of Maxwell's equations, Reflection and transmission of EM waves Explain Current& Ohm's Law, Electric susceptibility and polarization vector.

COURSE (Semester1)	**OUTCOME (**After completion students will be able to-)
Paper code –EDUC01 EDUCATION IN EMERGING INDIAN SOCIETY	CO1-Describe development of Indian education from ancient period to an independent nation. CO2-Describe the recommendations of various commissions since independence. CO3- State various provisions of education in Indian constitution. CO4- Explain in detail the role of education in social and cultural change. CO5- Explain the relationship of education with economic issues such as poverty, inequality & unemployment
Paper code –EDUC02 SCHOOL ORGANIZATIO N	CO1- Differentiate between the concepts of school administration, school organization and school management. CO2-Describe a school plant and its components.

AND ADMINISTRATION	identify the need, scope and purpose of educational planning in terms of national and community needs. CO3- Acquire knowledge of duties of school head and teachers CO4-Understand the concept of institutional planning and prepare an institutional plan. CO5- Acquire knowledge about the preparation of time table & maintenance of different school records and registers
PAPER III: BABED-ENGC11: ENGLISH (COMPULSORY)	CO1. Make use of competence in all the four skills i.e. Listening, Speaking, Reading and Writing. CO2. Describe and use new pedagogic practices in the teaching of both language and literature. CO3.Devise and promote student centric pedagogic techniques for the teaching of English. CO4. Describe implications of teaching/learning language through literature.
PAPER IV: BABED-PBIC11: PUNJABI (COMPULSORY)	fJ; g/go dk wzsteftsk dh g[;se dk fBeNnfXn?BeoBk j?. • gzikph ;kfjsftuethnKdhnKouBKtKpko/ ikDekoh d/Dk j?. • ouBkftu'AftukoK B{z rqfjDeoB dh ;{M g?dkeoBk. • ftnkeoDftuftnkeoD dh gqhGkôk, b/y s/ ;zy/g ouBkpko/ ;{M d/Dk j?.
BABED-ENGO11 ENGLISH (Elective)	CO1 Make use of competence in all the four skills i.e. listening, speaking , reading and writing. CO2 Describe implications of teaching/learning language through literature. CO3 Develop the power of imagination through literature.
BABED-PBIO11 PUNJABI (ELECTIVE)	fJ; g/go dk wzstftfdnkoEhnK dh nkX[fBegzikpheftsk ;zpzXhikDekoh B{z j'oft;Eko d/Dk j?. gzikph ;kfjs d/ fJfsjk; ftZuftfdnoEhnK dh fdbu;ghg?dkeoBk j?. ;kfjs d/ o{gKpko/ v{zxhikDekoh d/Dk j?.
HISTORY : BABED-HISO11 HISTORY OF INDIA UPTO 1200 A.D	CO1 Describe history in the context of Indian geography and socio-cultural milieu before 1200 A.D. CO2 Explain , analyse and relate major political, social, religious and cultural changes of the time from beginning of Indus-valley civilization up to the rise of Rajput powers.
POLITICAL SCIENCE BABED-POLO11 POLITICAL THEORY- I	CO1 Differentiate the concept of political science and politics. 29 CO2 Describe and discriminate the various ancient, traditional and modern political theories. CO3 Describe relationship between political science and other social sciences and education. CO4 Explain the concept of state and its importance. CO5 Discuss the relationship of state with other institutions i.e. the government, society, association and the nation. CO6 Describe and discriminate the theories of the origin of state

	like evolutionary and social contract
ECONOMICS BABED-ECO-O11 MICRO ECONOMICS	CO1 Describe the origin of economics. CO2 Explain the various types and time periods of production. • describe the various forms of markets. CO3 Develop rudimentary understanding of how and why consumers, firms, and markets in the economy function the way they do. CO4 Know the functioning of competitive and non-competitive product markets and performance of the markets for resources.
SOCIOLOGY BABED-SOCO11 FUNDAMENTALS OF SOCIOLOGY	CO1 describe fundamentals of sociology to the beginners of the subject; CO2 describe about sociology as a discipline. CO3 discuss study of various terms, concepts and processes which help in formulating a sociological viewpoint and an easy comprehension of the discipline at later stages.
MATHEMATICS BABED-MATO11	CO1 Apply transformation of axes, rotation of axes & invariants. CO2 Understand the basic concepts of plane geometry w.r.t. Pair of straight lines, circle & conic. CO3 Describe the special properties of parabola, ellipse & hyperbola. Describe concept of differential calculus like e-s definition of limit of function, continuity of functions and classifications of discontinuities. CO4 Understand and apply the rule of successive differentiation. CO5 Use different mean value theorems.

COURSE (Semester2)	**OUTCOME (A**fter completion students will be able to-)
PAPER CODE-EDUC03	CO1- Define the concept of education and give details of its parameters. CO2- Identify the relationship between philosophy and education. CO3- Identify the relationship between sociology and education. CO4- Describe the philosophy of the educational thinkers, prescribed in the syllabus. CO5-Identify the relationship of education with socio-cultural change, modernization and social mobility.
PAPER CODE – EDUC04	CO1- Describe concept of educational psychology and explain its significance CO2- Discuss the meaning of intelligence, measurement and theories. CO3- Understand individual differences, their meaning, areas & role in individual development.

	CO4- Understand the nature and needs of exceptional children. CO5- Understand the recent trends in the education of exceptional children.
PAPER III: B.A.B.Ed.- ENGC21: ENGLISH COMPULSORY	CO1 Make use of competence in all the four skills i.e. Listening, Speaking, Reading and Writing. CO2 Describe and use new pedagogic practices in the teaching of both language and literature. CO3 Describe implications of teaching/learning language through literature.
PAPER IV: B.A.B.Ed.-PBIC21: PUNJABI (COMPLUSORY)	fJ; g/go dk wzstejkDh dh g[;se dk fBeNnfXn?BeoBk j?. ftfdnkoEhnK B{ z ejkDhekoKdhnKouBktK s 'A ikD{ eotkT[Dk j?. ftnkeoDftu X[Bhrqkw, ;to X [BhnK s/ ftnziB X[BhnKpko/ ikDekoh d/Dk j?. ftfdnkoEhnK B{z o'÷kBkfizdrhftutos'AftubJh ;{uBkfjZsB'fN; fbyDkf;ykT[Dk.
ENGLISH (ELECTIVE) B.A.B.Ed.-ENGO21	CO1 Make use of competence in all the four skills i.e. Listening, speaking , reading and writing. CO2 Describe implications of teaching/learning language through literature. CO3 Develop the power of imagination through literature
PUNJABI (ELECTIVE) B.A.B.Ed-PBIO21	fJe g/go dk wzstftfdnkoEhnK dh nkX[fBeeftsk ;zpzXhikDekoh B{z j'oft;Eko d/Dk j?. BktbokjhAgzikp d/ g/Av{ ;fGnkukos'AikD{ eotkT[Dk j?. gzikph ;kfjs d/ fJfsjk; ftZuftfdnkoEhnK dh fdbu;ghg?dkeoBk j?. Bktb d/ fJfsjk; pko/ v{zxhikDekoh d/Dk j?. gzikph ;kfjsnkb'uBkpko/ ikDekoh d/Dk.
HISTORY: B.A.B.Ed.-HISO21 HISTORY OF INDIA 1200-1750 A.D	CO1 Discuss the history of Medieval India. CO2 Discuss the important phases of Indian history with the beginning of Turkish invasion which had tremendous influence in Indian society and polity. CO3 Discuss the politics and establishment of new forms of political institution from the period 1200 to 1750 A.D.
POLITICAL SCIENCE BABED- POLO21 POLITICAL THEORY-II	CO1 Describe and differentiate the meaning and features of the concept of power, authority and legitimacy; CO2 Explain the meaning, characteristics and significance of the term political culture; CO3 Discuss the meaning of political socialization, its relevance and different agents of political socialization; CO4 Analyze the interrelationship between political culture and political socialization; CO5 Understand the concept of rights and duties of education;

ECONOMICS BABED-ECO-O21 MACRO-ECONOMICS	CO1 This paper aims to familiarize the student with the generally accepted principles of macroeconomics. CO2 It deals with aggregates i.e. consumers as a whole, producers as a whole, exporters and importers as a whole, the effects of government spending and taxation, and the monetary policy of the central bank. CO3 The course includes the basic theories of determination of income, consumption, investment, employment, money and interest, inflation, Monetary and Fiscal policies, and business cycles.
SOCIOLOGY BABED-SOCO21 SOCIAL STRATIFICATION	CO1 Describe concept and meaning of social stratification. CO2 Explain elements of social stratification. CO3 Analyse the theories of social stratification. CO4 Describe the concept, meaning and indicators of social mobility.
MATHEMATICS BABED-MATO21	CO1 Understand the various concepts related to sphere, cylinder, cone and conicoid. CO2 Discuss the curvature of a curve at a point. CO3 Describe the reduction formulae. Apply the definite integrals in finding the volumes and surfaces of solids of revolution. CO4 Find out the relation between roots and co-efficient. CO5 Describe the newton's method of divisors. CO6 Explain the Descartes's and Ferrari's method for a bi-quadratic.