

R.S.D. COLLEGE
FEROZEPUR CITY (152002)



Programme Outcomes (POs)

and

Course Outcomes (COs)

2017-2018

Programme Outcomes (POs)

Programme Outcomes (UG Level)

After completion of a UG Programme 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.

Programme Outcomes (PG Level)

After completion of a PG Programme 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.

R.S.D. COLLEGE
FEROZEPUR CITY (152002)

FACULTY OF SCIENCES

Course Outcomes (COs)

DEPARTMENT OF PHYSICS

Course Outcomes of B.Sc. (Physics)

Course	Outcomes
SEMESTER-I	
Paper: A (Mechanics-I)	CO 1: Students will learn about different coordinate systems: Cartesian and spherical polar Coordinate systems and their practical applications to find various physical quantities. CO 2: Students will know how to reduce a two body problem into one body problem. CO 3: Students will be able to understand motion of a body under central forces. CO 4: Students will understand elastic collisions in lab and C.M systems and Rutherford Scattering.
Paper: B (Vibrations and Waves-I).	CO 1: Students will learn about the simple Harmonic Motion, free, damped and forced oscillators. CO 2: Students will understand the concept of Coupled oscillators.
Paper:C(Electricity and Magnetism-I)	CO 1: Students will learn about the basic ideas of vector calculus and their physical significance. CO 2: Students will understand the concept of Electric field and potential difference due to different types of distribution of charges. CO 3: Students will know about the Polarization , Dielectric materials.
SEMESTER-II	
Paper: A (Mechanics-II)	CO 1: Students will become familiar with the concept of inertial and non-inertial frames. CO 2: Students will appreciate the concept of precession and its applications as elementary gyroscope. CO 3: Students will be able to 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: Students will be able to understand the special theory of relativity, Michelson Morley Experiment. CO 5: Further, they will have an idea about the concept of Minkowski space and four vector formulism.
Paper:B (Vibrations and Waves-II).	CO 1: They will learn about the concept of impedance matching for propagation of wave through

	<p>different media.</p> <p>CO 2: Reflection and transmission of EM waves at a boundary of two dielectric media for normal and oblique incidence. Reflection of EM waves from the surface of a conductor at normal incidence.</p>
Paper:C(Electricity and Magnetism-II)	<p>CO 1: Students will learn about magnetic properties of the material and their behaviour in the magnetic field.</p> <p>CO2: They will learn about biot Savart's Law and its applications, Ampere's Circuital law and its applications, Hall effect and its applications.</p> <p>CO3: Students will be able to understand the Self inductance, mutual inductance and reciprocity theorem.</p> <p>CO 4: Students will understand about coupling of electrical circuits and their basic concepts.</p> <p>CO 5: Students will know about the fundamentals of E.M Waves and response of different media to E.M Waves.</p> <p>CO 6: Students will understand the concept of magnetic field and potential difference due to different types of distribution of charges.</p>
SEMESTER-III	
Paper: A (Statistical and Thermodynamical Physics-I)	<p>CO 1: Students will gain knowledge about the basic laws of statistical physics and its scope.</p> <p>CO 2: Concept of microstate, macrostate and Phase space will be introduced to the students.</p> <p>CO 3: They will learn about the basic approaches of Maxwell Boltzmann, Bose Einstein and Fermi Dirac statistics.</p>
Paper:B (Optics -I)	<p>CO 1: Students will learn about diffraction, interference of light by division of amplitude and wave front.</p> <p>CO 2: Students will study the applications of interference of light in non-reflecting thin films and optical devices.</p> <p>CO 3: Concept of polarization and methods to polarize light will be introduced to them.</p> <p>CO 4: They will learn about construction and application of Nicol prism, Quarter and Half wave plate.</p>
Paper:C (Quantum Mechanics-I)	<p>CO 1: Students will learn about the formalism of Wave mechanics, Normalization and Probability interpretation of wave function.</p>

	<p>CO 2: They will study about the concept of wave particle duality.</p> <p>CO 3: The concept of Uncertainty Principle and its applications will be introduced to the students.</p> <p>CO 4: Students will be introduced to operator formalism and fundamental postulates of wave mechanics.</p> <p>CO 5: Students will study 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.</p> <p>CO 6: Students will gain knowledge about X rays, different methods of production of X rays and their interaction with material.</p>
SEMESTER-IV	
Paper:A(Statistical and Thermodynamic Physics-II)	<p>CO 1: Students will learn about the concept of entropy and its applications.</p> <p>CO 2: Students will study the Carnot cycle, Joule-Thomson effect, Maxwell's thermodynamical relations and applications.</p>
Paper –B (Optics-II)	<p>CO1: Students will understand the fundamentals of Laser. They will be given knowledge about the basic condition required for the laser action.</p> <p>CO 2: They will learn about the principle, Construction and working of different lasers: Ruby laser, Nd:YAG laser, He-Ne and Carbon dioxide laser. Further, they will study about the practical applications of lasers. Concept of Holography will be introduced to them.</p> <p>CO3: Students will understand the Optical fibres, Optical fibre based communication system and their Medical applications</p>
Paper:C (Quantum Mechanics-II)	<p>CO 1: Students will understand the one electron atomic spectra, concept of Zeeman effect, Spin orbit coupling, Lande's-g factor will be introduced to them.</p> <p>CO 2: Students will study about the spectra of many electron systems e.g. of Helium and Alkaline Earth Spectra.</p>
SEMESTER-V	
Paper:A(Condensed Matter Physics-I)	<p>CO 1: Students will learn about the basics of crystal structure and symmetries operation in two and three dimensional crystals.</p> <p>CO 2: Experimental methods for crystal structure studies will be introduced to the students.</p> <p>CO 3: Students will be able to understand various reciprocal</p>

	lattice, construction of Brillouin Zone in two and three dimensions.
Paper:B(Electronics-I)	CO 1: Students will study about the diodes and its applications like rectification,clipping,switch CO 2: Students will learn about transistors ,feedback in them and applications such as amplifiers,oscillators.
Paper: C (Nuclear Physics-I)	CO 1: Students will learn about the constituents of nucleus and various properties of nucleus. CO 2: They will be explained different Nuclear models- Liquid drop model and shell model. CO 3: Students will be introduced to various ways of interaction of gamma rays with matter. Photoelectric effect, Compton effect and pair production processes will be explained to them.
SEMESTER-VI	
Paper:A(Condensed Matter Physics-II)	CO 1: Concept of Phonons will be introduced to the students. Moreover, they will be able to calculate the density of modes of vibrations. CO 2: Students will learn about the basic concepts of band theory and differentiate between conductors, semi-conductors and insulator using Kronig-Penny model.
Paper:B(Electronics-II)	CO1:Students will further learn about the 555timer and its applications as a stable and monostable multivibrator CO2:Students will learn about the basic concepts of digital electronics such as K-Maps. CO3:Students will learn about propagation of waves and modulation and demodulation.
Paper: C (Nuclear Physics-II)	CO 1: Students will be introduced with the various modes of decay of radioactive nuclides and the laws governing the radioactive decay CO 2: Students will be introduced to various types of Particle detectors ,accelerators used for detecting and accelerating the charge particles.

DEPARTMENT OF CHEMISTRY

Course Outcomes of B.Sc. (Chemistry)

Course	Outcomes After completion of each course, students would be able to;
SEMESTER-I &II	
Paper: A (Inorganic Chemistry)	<p>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.</p> <p>CO2: Students get a thorough knowledge on over all inorganic chemistry. They learn role of elements in chemistry and their uses.</p> <p>CO3: Students learn modern theories of chemical bonding like VSEPR theory, Valence bond theory and Molecular orbital theory.</p> <p>CO4: Students will learn about properties of all the groups P-block elements.</p>
Paper: B (Organic Chemistry)	<p>CO1: This course make students capable of understanding and learning nomenclature, structure and bonding and classification of organic compounds and basic concepts of organic chemistry like–reaction mechanism, intermediates and attacking reagents etc.</p> <p>CO2: Students learn preparation and properties of organic compounds like hydrocarbons, alkanes and cycloalkanes, alkenes, cycloalkenes, alkynes and dienes.</p> <p>CO3: students will get to know about stereochemistry, conformations, configurations and isomerism.</p> <p>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.</p>
Paper: C (Physical chemistry)	<p>CO 1: This course enables the students to learn about the mathematical concepts and evaluation of analytical data, gaseous state of matter</p> <p>CO2: Students will learn about chemical kinetics and various concepts that are related with chemical kinetics.</p> <p>CO3: students will get the complete idea of thermodynamics and thermochemistry.</p> <p>CO4: This course enables the students to get an idea of colloidal state, also about solutions, dilute solutions and colligative properties.</p>
Paper: Practicals	CO 1: Course develops the skills to determine physical

	<p>constants like melting points and boiling points.</p> <p>CO2: Develops skill of volumetric titrations of acid and base</p> <p>CO3: Develops skill regarding systematic qualitative analysis of inorganic mixtures containing two acidic and two basic radicals by semi micro method of analysis.</p> <p>CO4: Students learn and perform experiments related to physical chemistry i.e. Surface tension, viscosity Chemical Kinetics and Thermodynamics.</p>
SEMESTER-III & IV	
Paper: A (Inorganic Chemistry)	<p>CO1: Advanced Theories on coordination Chemistry, Structure, Bonding and Stereochemistry of important Coordination Compounds.</p> <p>CO 2: chemistry of transition elements involving first, second and third transition series.</p> <p>CO3: Non-Aqueous solvents, and concept of redox reactions.</p> <p>CO 4: Chemistry of Lanthanides and Actinides.</p> <p>CO5: Concept of acid and base</p>
Paper: B (Organic Chemistry)	<p>CO1: Students will learn about the synthesis of various organic compounds like alcohols, phenols, aldehydes and ketones.</p> <p>CO2: Synthesis and properties of important class of organic compound like carboxylic acid and their derivatives, ethers, fats, oils and detergents.</p> <p>CO3: Students will learn about the organic compounds containing nitrogen and other heterocyclic compounds</p>
Paper: C (Physical chemistry)	<p>CO1: Basic concepts and Laws of Thermodynamics, chemical equilibrium and liquid state of matter.</p> <p>CO2: Students will get complete idea of electrochemistry and electrochemical and electrolytic cells.</p> <p>CO3: Idea of Distribution law, liquid-liquid mixture and phase equilibrium</p>
Paper: Practical	<p>CO1: Techniques of Thin Layer Chromatography, thermo chemistry.</p> <p>CO2: Quantitative estimations of different ionic species using different branches of Volumetric and Gravimetric Analysis.</p> <p>CO3: Qualitative analysis of organic compounds with synthesis of their derivatives and physical constant determinations.</p>
SEMESTER-V & VI	
Paper: A (Inorganic	CO1: Crystal Field Splitting in coordination complexes, their

chemistry)	<p>stability, color and magnetic properties and use of magnetic moments for interpretation of their structures and thermodynamic and kinetic aspects of metal complexes.</p> <p>CO 2: Electronic transitions, selection rules and Term symbols.</p> <p>CO3: Thorough knowledge of Organometallic chemistry.</p> <p>CO4: Complete idea of bioinorganic chemistry.</p> <p>CO5: Synthesis and properties of silicones and phosphazenes and HSAB concept.</p>
Paper: B (Organic Chemistry)	<p>CO1: Different spectroscopic methods of analysis which includes UV, IR & NMR techniques.</p> <p>CO 2: Study of Carbohydrates, Polymers, Organometallic compounds, Amino acids, Proteins, RNA and DNA.</p> <p>CO3: Synthesis of different organic compounds via enolate ions.</p>
Paper: C(Physical chemistry)	<p>CO 1: Elementary idea of quantum mechanics and photochemistry.</p> <p>CO2: Students will learn about solid state of matter.</p> <p>CO3: Students will be introduced with the various branches of physical spectroscopy like rotational, vibrational, electronic and brief idea of raman spectroscopy.</p>
Paper: Practical	<p>CO 1: Synthesis of organic and inorganic compounds</p> <p>CO2: Column chromatography</p> <p>CO 3: Various physical chemistry experiments related to conductometry</p> <p>CO4: Rast method, Distribution Law and Adsorption Isotherm.</p>

Course Outcomes M.Sc. (Chemistry)

Course	Outcomes After completion of each course, students would be able to;
SEMESTER-I	
Inorganic Chemistry	Co.1- 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	Co.1- Organic Chemistry will give 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	Co.1-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	Co.1-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	Co.1-Understand matrix algebra. They can draw different kind of curves. students will learn about permutation and probability theory and their application.
Computers for chemists	Co.1-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	Co.1-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	Co.1-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	Co.1-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	Co.1-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.

Department of BOTANY

Course Outcomes: B.Sc. (Botany)

Course	Outcomes After completion of each course, students would 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

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

	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 each course, students would 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	CO 1: The Zoological study of different phylum of chordates and non-chordates will enable students to gain knowledge of

<p>&Evolution Paper code: 301 &401</p>	<p>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</p>
<p>Paper Name: Biochemistry and Animal physiology Paper code: 302 &402</p>	<p>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</p>
<p>SEMESTER- V &VI</p>	
<p>Paper Name: Developmental Biology and reproduction. Paper Code: ZOO 501</p>	<p>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.</p>
<p>Paper Name: Medical zoology and Parasitology Paper Code: ZOO 502A &602A</p>	<p>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.</p>
<p>Paper Name: Genetics Paper Code: ZOO 601</p>	<p>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</p>

	<p>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.</p> <p>CO 4: Understanding of how genetic concepts affect broad societal issues including health and disease, food and natural resources, environmental sustainability, etc.</p> <p>CO 5: Understanding the role of genetic mechanisms in evolution.</p> <p>CO 6: The knowledge required to to design, execute, and analyse the results of genetic experimentation in animal and plant model systems.</p> <p>CO 7: The ability to recognize the experimental rationale of genetic studies as they are described in peer-reviewed research articles and grant proposals to federal and other funding agencies.</p>
Visits and Field Trips:	<p>CO 1: Field Excursion conducted is very much beneficial to the students.</p> <p>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.</p> <p>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.</p>
Practical:	<p>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.</p>

DEPARTMENT OF MATHEMATICS

Course Outcomes of B.Sc. (Mathematics)

Semester-I

Course	Outcomes After completion of each course, students would 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-4 Understand all the concepts to implement in real life CO-5. Students will differentiate exponential , logarithmic , trigonometric and inverse trigonometric functions
Paper-II : Calculus	CO-1 Students 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 derivatives. 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 , De 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-1 Evaluate an indefinite integral using integration by parts . CO-2 Understand the concept of concavity, convexity ,point of inflection, multiple points and asymptote. CO-3 Student learn how to set up definite integral 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 each course, students would 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 .
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Semester-IV	
Paper-1 Advance calculus II	CO-1. Determine if a geometric series is convergent or divergent. CO-2. Find the sum of 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 each course, students would 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

	<p>not applicable.</p> <p>CO-4. Work numerically on ordinary differential equations using different methods through theory of finite differences</p> <p>CO-5. Work numerically on partial differential equations using different methods through theory of finite differences.</p> <p>CO-6. Analyse and evaluate the accuracy of common numerical methods.</p>
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R.S.D. COLLEGE
FEROZEPUR CITY (152002)

FACULTY OF COMPUTER
SCIENCE & APPLICATIONS

Course Outcomes (COs)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Course Outcomes of BCA

Course	Outcomes After completion of each course, students would 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	CO-1. Students learn how build an algorithm for problems

Paper Name- Problem Solving Through C	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 capability in c++ CO-2. GO handy with object oriented concepts and File handling
SEMESTER-III	
Paper Code-BCA-16-303	CO-1.The key modeling concepts applicable to both

<p>Paper Name-Information System Design And Implementation</p>	<p>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</p>
<p>Paper Code-BCA-16-305 Paper Name-Data Structures</p>	<p>CO-1 To know the strategies for data storage, fetching, manipulation and analysis capability CO-2 Students can further explore the ideas for data storage and retrieval</p>
<p>Paper Code-BCA-16-306 Paper Name-Lab Based on Computer Numerical Methods</p>	<p>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.</p>
<p>Paper Code- BCA-16-307 Paper Name-Data Structures</p>	<p>CO-1 To impart the technical and practical skills for implementation of data.</p>
<p>SEMESTER-IV</p>	
<p>Paper Code- BCA-16-403 Paper Name-Software Project Management</p>	<p>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</p>
<p>Paper Code-BCA-16-404 Paper Name-Operating System Concept and Linux</p>	<p>CO-1. Students can work with the core processors CO_2 To go for the operating system development CO-3 Work in the scheduling techniques and deadlock</p>

	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 Structure	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.
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 Code-BCA-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 each course, students would be able to;
SEMESTER-I	
Paper Code-MS-66 Paper Name- Linux Administration And Programming	CO-1.Enable students to Identify and use Linux utilities to create and 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.Students 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.

	<p>CO-4.General understanding of structure of modern computers</p> <p>CO-5.Purpose,structure and functions of operating systems</p>
<p>Paper Code-MS-63</p> <p>Paper Name-Minor Project Based On Linux Administration And Programming</p>	<p>CO-1.To familiarize the students with the Operating System.</p> <p>CO-2.To demonstrate the process, memory, file and directory management issues under the UNIX/ LINUX operating system</p> <p>CO-3.To introduce LINUX basic commands</p> <p>CO-4.To make students how to make simple programs in LINUX and administrative task of LINUX</p>
<p>Paper Code-MS-64</p> <p>Paper Name-Minor Project Based On Computer Algorithms</p>	<p>CO-1.Ability to choose appropriate algorithm design techniques for solving problems.</p> <p>CO-2. Ability to understand how the choice of data structures and the algorithm design.</p> <p>CO-3. Methods impact the performance of programs. To clear up troubles the usage of set of rules design methods.</p> <p>CO-4. Grasping approach, divide and overcome, dynamic programming, backtracking and department and certain.</p> <p>CO-5.To understand the variations among tractable and intractable problems.</p>
Semester-II	
<p>Paper Code- MS-65</p> <p>Paper Name- E Commerce and Emerging Trends</p>	<p>CO-1. Students can explore the electronic based applications for the self employment purpose.</p> <p>CO-2 can go with advertisement developments, shopping sites.</p>
<p>Paper Code- MS-45</p> <p>Advance Java and Network Programming</p>	<p>CO-1 Students can go for the networking programming and java programming based applications.</p> <p>CO-2 fruitful opportunities for the networking based apps.</p>
<p>Paper Code- MS-60 MS-</p> <p>Paper Name-Advance DBMS and MYSQL</p>	<p>CO-1.TO have a fruitful career in database connectivity</p> <p>CO-2 .To facilitate with the students for the management capability in database</p>
<p>Paper Code- MS-67</p> <p>Paper Name-Artificial Intelligence</p>	<p>CO-1 Job opportunities in machine learning, sensors, robotics, expert system</p> <p>CO-2 Image Processing, Pattern Recognitions are the key topics to choose.</p>
<p>Paper Code- MS-27</p>	<p>CO-1: Students will be able to show competence in</p>

SEMINAR	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 d 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 development.

Paper Code-MS-59 Paper Name-Minor Project Based on Computer Graphics	CO-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 PGDCA

Course	Outcome After completion of each course, students would be able to;
SEMESTER I	
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. CO-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 System	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 acquainted students with good 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.

<p>Paper Code-PGD-1104 Paper Name-Data Communication and Networks</p>	<p>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.</p>
<p>Paper Code-PGD-PR-1105 Paper Name-Lab I Based on PGD-1102 AND PGD-1101</p>	<p>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.</p>
<p>Paper Code-PGD-PR-1106 Paper Name-Lab Based on PGD-1103</p>	<p>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.</p>

SEMESTER-II	
<p>Paper Code-PGD-2101 Paper Name-Object Oriented Concepts using JAVA</p>	<p>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</p>
<p>Paper Code-PGD-2102 Paper Name-Web Technologies</p>	<p>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.</p>

<p>Paper Code-PGD-2103 Paper Name-Software Engineering</p>	<p>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</p>
<p>Paper Code-PGD-2104 Paper Name-Computer Based Accounting</p>	<p>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</p>
<p>Paper Code-PGD-PR-2105 Paper Name- Lab 3 (Practical based on PGD-2101)</p>	<p>CO-1: development of JAVA programs using concepts learned in PGD- 2101</p>
<p>Paper Code-PGD-PR-2106 Paper Name-Lab 4 (Practical based on PGD-2102)</p>	<p>CO-1: development of Web Applications using HTML, JavaScript and PHP using concepts learned in PGD-2102</p>
<p>Paper Code-PGD-2107 Paper Name-Project Work</p>	<p>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</p>

B.Sc. (Computer Applications)

Course	Outcomes
After completion of each course, students would be able to;	
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: Learning 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
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B.A. (Computer Science)

Course	Outcome After completion of each course, students would be able to;
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: Learning 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

	<p>components and their function</p> <p>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.</p> <p>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.</p> <p>CO-5: To be able to program a data-intensive application using DBMS APIs.</p>
<p>Paper Code- PCS05 Paper Name-Practical Based on Paper CS10</p>	<p>CO-1: Managing database using SQL and PL/SQL learnt in CS10</p>
Semester-VI	
<p>Paper Code- CS11 Paper Name- E-Commerce</p>	<p>CO-1: To inculcate employment skills by teaching e commerce as a subject</p> <p>CO-2: To facilitate the students regarding development for the with Online business, shopping applications.</p>
<p>Paper Code- CS12 Paper Name- Web Programming</p>	<p>CO-1: Learning basic Web terminology and various concepts under HTML like lists, tables, images, links, frames, CSS etc.</p> <p>CO-2: Understanding basic concepts and built-in objects in JavaScript</p> <p>CO-3: Creating WebPages using Dreamweaver</p>
<p>Paper Code- PCS06 Paper Name-Practical Based on Paper CS12</p>	<p>CO-1: Practical implementation of basic concepts and built-in objects in JavaScript</p> <p>CO-2: Creating WebPages using Dreamweaver</p>

B.A. (Information Technology)

Course	Outcomes
After completion of each course, students would be able to;	
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

R.S.D. COLLEGE
FEROZEPUR CITY (152002)

FACULTY OF ARTS &
LANGUAGES

Course Outcomes (COs)

DEPARTMENT OF ECONOMICS

Course Outcomes of B.A. (Economics)

Course	Outcomes
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 III	
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
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.

	<p>CO-5. State the role of moderates and extremists in the freedom movement. CO-6. Discuss the making of new constitution.</p> <p>CO-7. Understand the important historical places of Modern India on map of India.</p>
Semester-IV	
History of Punjab 1469-1849A.D.	<p>CO-1. Understand the foundation of sikh religion.</p> <p>CO-2. Evaluate the life and teachings of Guru Nanak Dev ji.</p> <p>CO-3. Understand the contribution all guru in spread of Sikhism.</p> <p>CO-4. Explain the region of Maharaja Ranjit Singh.</p> <p>CO-5. Understand the role of Banda Bahadur in history of Punjab and Misil period history.</p> <p>CO-6 Understand the important historical places of Punjab on the map of Punjab</p>
Semester-V	
History of Punjab 1849-1966	<p>CO-1 Explain the British administration after the annexation of Punjab</p> <p>CO-2 Understand the British agrarian policies.</p> <p>CO-3 Understand the introduction of modern education.</p> <p>CO-4 Learn about the socio-religious activities.</p> <p>CO-5 Explain the growth of political consciousness.</p> <p>CO-6 Understand the formation of Punjabi suba and reorganization act 1966.</p> <p>CO-7 Understand about the historical places of Punjab.</p>
Semester-VI	
World History 18 th to 20 th century	<p>CO-1 Understand the rise of modern world.</p> <p>CO-2 Evaluate the American revolution and French revolution.</p> <p>CO-3 Discuss the rise of new type of imperialism in the world.</p> <p>CO-4 Understand the division of Europe into two parts and World War-I.</p> <p>CO-5 Evaluate the World War-II and modernization of China and Japan. CO-6 Identify World Historical places on map of World.</p> <p>CO-7 Discuss the role of napoleon in the world political system.</p>

	CO-8 Understand the major events of unification Italy and Germany.
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Course Outcomes of M.A. (History)

Semester-I	
Course	Outcomes After completion of each course, students would be able to ;
Paper- History of Punjab 15th to 17th Century	CO-1.The students know the entire picture about history of Punjab during 15 th to 17 th 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 each course, students would 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 time to time. CO-2. The students can go for research on USA models for development.
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Semester-III

Course	Outcomes After completion of each course, students would be able to ;
Paper – Punjab in 19th Century	CO-1.To introduces students to major movements in Punjab during 19 th century. CO-2.The students know about the wars of Punjab in 19 th 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 each course, students would be able to ;
Paper – Punjab in 20th Century	CO-1.To introduces students to major movements in Punjab during 20 th century. CO-2.The students know about the partition and demographics of Punjab in 20 th 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)

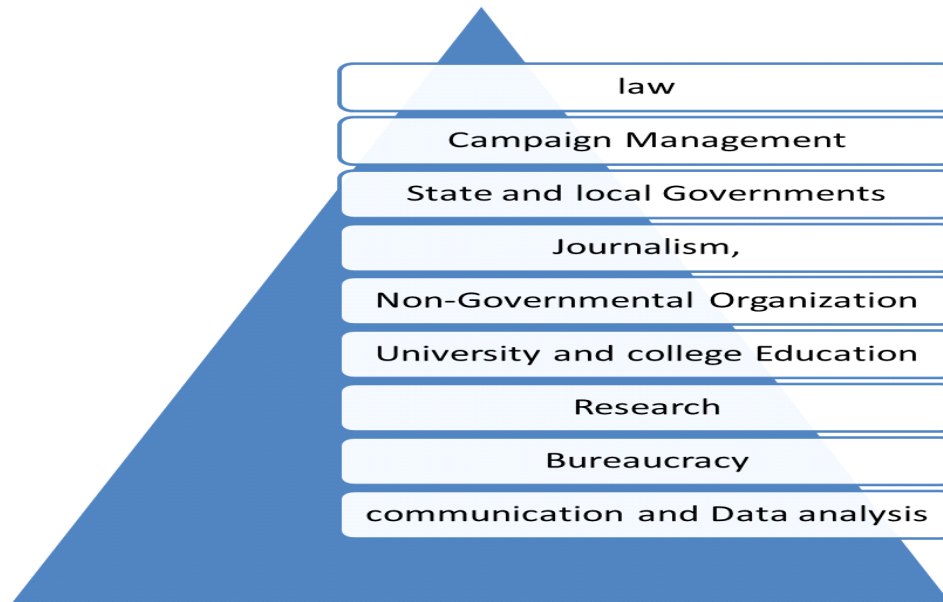
Course	Outcomes After completion of each course, students would be able to ;
Semester-I	
Physical Education paper code- 0138	CO-1.Know About pre and post independence development of physical education in India. CO-2.Comprehensive knowledge about ancient Olympic games &modern Olympic games, Common wealth 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	<p>CO-1.Knowledge about various theories of play and significant in physical education and sports.</p> <p>CO-2.Understanding the meaning, importance and conduct of intramural and extramural competition.</p> <p>CO-3.Know about draw of fixtures of various tournaments.</p> <p>CO-4.Understanding the meaning of physical deformities and their remedies.</p> <p>CO-5.Learn about effects of massage on skin, blood circulation, nervous system and muscles.</p>
Semester-VI	
Physical Education paper code- 0535	<p>CO-1. Structural and functional knowledge about, nervous system, excretory system and endocrine system.</p> <p>CO-2. Know about effects of physical exercises on muscular, respiratory and circulatory systems of the body.</p> <p>CO-3..Knowledge about career options in physical education.</p> <p>CO-4.Learn about qualification and characteristics of a coach.</p>

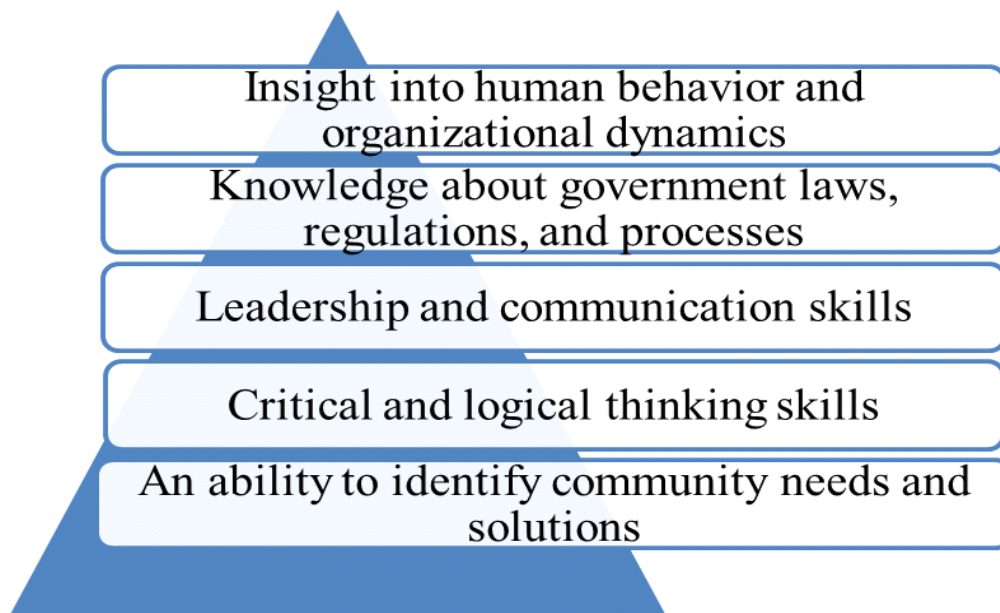
DEPARTMENT OF POLITICAL SCIENCE

Course Outcomes of B.A. (political science)

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.



Course	Outcomes After completion of each course, students would be able to ;
Semester-I	
Paper:Political Theory-I B.A-0033	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
Semester-II	
Paper:-Political Theory-II Sub-code: B.A-0135	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.
Semester-III	
Paper:Indian Government Politics Sub-code B.A-0234	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-State Relations. 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, Lok Sabha, Speaker, State Legislature, The Judiciary: Supreme Court and the High Court.

	CO-5. Students enable to know the salient features of Indian Constitution.
Semester-IV	
Paper:Indian Politics Sub-code: B.A-0334	CO-1.Students enable to evaluate the evolution, functioning and 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.
Semester-V	
Paper :Comparative Political Systems(UK&USA) Sub-code B.A-0426	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.
Semester-VI	
Paper:-International Politics: Theory & Practice Sub-code	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.

B.A.0532	<p>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.</p> <p>CO-4. Studying the developments in third world countries in post-world war II era like NAM: Relevance, ASEAN, SAFTA and SAARC, NIEO.</p> <p>Co-5. Evaluating Bi-polar world order during cold war, Uni-polar world order & multi-polar world order after cold war</p>
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DEPARTMENT OF SOCIOLOGY

Course Outcomes of B.A. (Sociology)

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. CO-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-8 Student 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. CO-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.

	<p>CO-4 Student will be able to describe the forms of social changes.</p> <p>CO-5 Student will be able to understand the process of social change.</p> <p>CO-6 Student will be able to explain human development, social development sustainable development.</p>
Semester IV	
Social Institutions	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>CO-6 This 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.</p>
Semester V	
Society in India	<p>CO-1 The course introduces the students with the concept of tribal, rural and urban society.</p> <p>CO-2 Student will be able to develop an understanding about classification of tribal people, rural people and urban people .</p> <p>CO-3 Student will be able to define socio culture profile: Ethic and cultural diversity.</p> <p>CO-4 Student will be able to learn about tribal, rural and urban : society, family, marriage, kinship and languages.</p> <p>CO-5 Student will be able to know the problems faced by</p>

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

DEPARTMENT OF PUBLIC ADMINISTRATION

Course Outcomes of B.A. (Public administration)

Course	Outcomes After completion of each course, students would be able to ;
Semester-I	
Paper: Administrative Theory	CO-1. The students enable to understand nature, basic concepts and principles of public administration. 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.
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	CO-7. Administration of Rural Development and Role of Voluntary Sector in Development
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DEPARTMENT OF MATHEMATICS

Course Outcomes of B.A. (Mathematics)

Semester-I	
Course	Outcomes After completion of each course, students would be able to ;
Paper- I: Plane Geometry I	<p>CO-1 students will be able to learn about transformation of axis.</p> <p>CO-2 Students will able to understand the tracing of different equations of conic section their polar equation , equation of tangent and normal.</p> <p>CO-3 Understand the concept of pair of straight line.</p> <p>CO-4 Understand all the concepts to implement in real life</p> <p>CO-5. Students will differentiate exponential , logarithmic , trigonometric and inverse trigonometric functions</p>
Paper-II : Calculus I	<p>CO-1 Students got to know about different properties of real no.</p> <p>CO-2 Understand the concept of limit and continuity .</p> <p>CO-3 Learn about hyperbolic functions and derivates.</p> <p>CO-4 Student got to know about successive differentiation.</p> <p>CO-5 Learn to use Leibnitz theorem to find higher order derivatives of product functions.</p>
Paper-III: Trigonometry and Matrices	<p>CO-1 Students will able to learn about the polar representation of complex no ,D' Moivre's theorem and their application .</p> <p>CO-2 Understand the concept of summation of series mainly Gregory 's series.</p> <p>CO-3 Students will able to know about different kind of matrices, learn to calculate the row rank , column rank .</p> <p>CO-4 Understand the theorems on consistency of system of linear homogeneous and non homogeneous equations.</p> <p>CO-5 Understand to calculate Eigen values, Eigen function , characteristics equation</p>
Semester-II	
Paper-I Solid Geometry	<p>CO-1. understand the concept of transformation of axis.</p> <p>CO-2. To understand the geometrical concept of sphere and cylinder.</p> <p>CO-3 To understand radical plane , radical axis of cone.</p> <p>CO-4 student learn to find the different geometric figures.</p>

paper II CALCULUS II	<p>CO-1 Evaluate an indefinite integral using integration by parts .</p> <p>CO-2 Understand the concept of concavity, convexity ,point of inflection, multiple points and asymptote.</p> <p>CO-3 Student learn how to set up definite integral to calculate the length of curve, area and volume</p> <p>CO-4 Student can learn to trace a curve</p>
Paper III Theory of equations	<p>CO-1. learned how to use fundamental theorem of algebra in real life. CO-2. learned basic concept of Descarte's rule of sign.</p> <p>CO-3. Learned how to solve cubic and B iquadratic equations using cardon's , descarte's and ferrari's method.</p>

Semester-III	
Course	Outcomes After completion of each course, students would be able to ;
Paper-I Advance calculus I	<p>CO-1. The student is expected to learn about the basic principles of multi- variable calculus with proofs.</p> <p>CO-2. To have full knowledge of calculus involving the fundamental tools such as continuity and differentiability.</p> <p>CO-3. Students are able to find maxima , minima and saddle point of function.</p> <p>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.</p> <p>CO-5. To gain knowledge about vector differentiation , Gradient , Divergence, curl and their application in real life.</p>
paper II- Differential Equation	<p>CO-1. Determine the solution of Orthogonal trajectories of differential equation.</p> <p>CO-2. Acquire the idea of claurit equation for solving differential equation, singular solution .</p> <p>CO-3. Understand the order ,degree and various standard forms of differential equations.</p>
Paper III STATISTICS	<p>CO-1. An ability to construct free-body diagrams and to calculate the reactions necessary to ensure static equilibrium.</p> <p>CO-2. An understanding of the analysis of distributed loads. CO-3. A knowledge of internal</p>

	forces and moments in members CO-4 Understand the concept of friction .
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Semester-IV	
Paper-1 Advance calculus II	CO-1. Determine if a geometric series is convergent or divergent. CO-2. Find the sum of 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

Semester-V	
Course	Outcomes After completion of each course, students would 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-1 Apply 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.

	<p>CO-4. Work numerically on ordinary differential equations using different methods through theory of finite differences</p> <p>CO-5. Work numerically on partial differential equations using different methods through theory of finite differences.</p> <p>CO-6. Analyse and evaluate the accuracy of common numerical methods.</p>
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DEPARTMENT OF MUSIC-VOCAL

Course Outcomes of B.A. (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 duration) 45 Marks (i) Choice & Viva : 35 Marks (ii) (iii) Harmonium : Tabla : 05 Marks 05 Marks Internal Assessment (Theory + Practical) (05 + 05) : 10 Marks	Co-1 students can learn 10 thaats of Bhat khande Thaats Paddhati Co-2 students can learn about AAHAT naad ANAHAT naad. Co-3 students about Various developments (in brief) in the History 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	
<p>Paper-A: THEORY (3 Hours duration) : 45 marks (Duration 45 minutes 06 practical+ 02 Theory periods per week)</p> <p>Paper-B: Practical (20 minutes duration) : 45 marks (i) Viva : 35 marks (ii) Harmonium : 05 marks (iii) Tabla : 05 marks</p> <p>Internal Assessment (Theory + Practical) (05 +05) : 10 marks Total : 100 marks</p>	<p>Co-1 students can learn about 3 Gram</p> <p>Co-2 students can learn about vocal practice of Kanth.</p> <p>Co-3 studnets can learn about different singing styles of Gharana.</p> <p>Co-4 students can learn about Historical development of North Indian music from 13-15th Century.</p> <p>Co-5 students can learn various form of Alap</p> <p>Co-6 students can learn sangeetak kiriya of following: - Upaj, Mukhda, Bol-Baant, Khatka, Murki, Kan.</p> <p>Co-7 students can learn about of Lakshans of Ragas in Modern Period.</p> <p>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</p> <p>Co-09 students can learn the notation of drut khyal ragas :-Malkauns, Bhairav with Alap and Taans</p> <p>Co-10 students can learn notation of Tala :- Jhaptala, Chartala and Keherva (Single & Double)</p> <p>Co-11 students can learn about non detailed Ragas: Chandrakauns, Kalingda.</p>
MUSIC (vocal) Semester-IV	
<p>PAPER-A: THEORY (Duration 45 minutes, 02 Theory periods per week)</p> <p>Paper-A: THEORY (3 Hours duration) : 45 marks (Duration 45 minutes 06 practical+ 02 Theory periods per week)</p> <p>Paper-B: Practical (20 minutes duration) : 45 marks (i) Viva : 35 marks (ii) Harmonium : 05 marks (iii) Tabla : 05 marks</p> <p>Internal Assessment (Theory +</p>	<p>CO-1 students can understand Historical development of North Indian Music during 15th to 17th Century.</p> <p>Co-2 students can understand Murchhana Raga system</p> <p>Co-3.students can learn how to write Notation of any raga or any song.</p> <p>CO-4 Student can learn importance of Tanpura and Sahayak Nada which can listen with proper practice of Naad.</p> <p>Co-5 students can learn 15 Varieties of Gamak of sharan deva Granth.</p> <p>Co-6 student can learn how to use following :- Meend, Bol-Alap, andolan, boltana, Badhat in ragas.</p> <p>CO-7 students motivate with life sketches of great masters of music and their contributions: i) Ustad Amir Khan Sahib</p>

<p>Practical) (05 +05) : 10 marks</p> <p>Total : 100 marks</p>	<p>ii) Ustad Faiyaz Khan Sahib</p> <p>iii) Pt. Onkar Nath Thakur</p> <p>CO-8 students can learn how to write Notations of drut khayal of Bihag and Bhimplasi and vilambit khyal also .</p> <p>CO-9 students can learn about ekgun or dogun of Talas: Roopak, Tilwada</p> <p>Co-10 student can learn viva of Ragas :- Non detailed: Maru Bihag, patdeep</p>
<p>MUSIC (vocal) Semester-V</p>	
<p>Paper-A: THEORY (3 Hours duration) : 45 marks (Duration 45 minutes 06 practical+ 02 Theory periods per week)</p> <p>Paper-B: Practical (20 minutes duration) : 45 marks (i) Viva : 35 marks (ii) Harmonium : 05 marks (iii) Tabla : 05 marks</p> <p>Internal Assessment (Theory + Practical) (05 +05) : 10 marks</p> <p>Total : 100 marks</p>	<p>Co-1 students can learn about different shaillies of semi clasaical Tappa, Dharupad, Tarana.</p> <p>Co-2 students can learn how to divide ragas according to 8 pehar .</p> <p>Co-3 students can learn Raganga Paddhti</p> <p>Co-4 students can learn Historical Development to North Indian Music from Pre Historic to 4th Century.</p> <p>Co-5 students can learn in detailed about the following:-</p> <ol style="list-style-type: none"> 1. Manch- Pradarshan 2. Professions in Music 3. Lok Sangeet of Punjab <p>Co-6 students will be inspired with life sketches in brief of the following: -</p> <ol style="list-style-type: none"> 1. Pt. Kumar Gandharv 2. Smt. Gangu Bai Hangal 3. Ustad Bade Gulam Ali Khan Sahib <p>CO-7 students will be able to write and sing Vilambit / Drut khyal in the prescribed Ragas with Alaps and Taans : -Vrindavani Sarang, Jaunpuri.</p> <p>Co-8 students can learn about Ekgun &Dugun of :- Jhumra, Sultala</p> <p>Co-9 .students can learn about the viva of Non-detailed Ragas:Des, Asavari.</p>
<p>MUSIC (vocal) Semester-VI</p>	
<p>Paper-A: THEORY (3 Hours duration) : 45 marks (Duration 45 minutes 06 practical+ 02 Theory periods per week)</p> <p>Paper-B: Practical (20 minutes duration) : 45 marks (iv) Viva : 35 marks</p>	<p>Co-1 students can learn about the History of Indian Music i.e. from 4th to 13th Century.</p> <p>Co-2 students can learn about semi classical . Gayan Shaillies: - Dhamar, Bhajan , Shabad, Thumri.</p> <p>Co-3 students can learn about Varieties of Tana</p> <p>Co-4 students will be inspired with life sketches in brief of the following great masters:-</p> <ol style="list-style-type: none"> 1. Ustad Vilayat Hussain Khan

<p>(v) Harmonium : 05 marks (vi) Tabla : 05 marks Internal Assessment (Theory + Practical) (05 +05) : 10 marks Total : 100 mark</p>	<p>2. Pt. Dalip Chandra Bedi 3. Pt. V. N. Patvardhan Co-5 students can learn Detailed study of the following:- 1. Role of Akashwani and Doordarshan towards the popularisation of Indian Classical Music 2. Role of Electronic mediums (Basic Instruments) i.e Electronic, Tabla, Tanpura Co-6 .students can learn about Sansthaगत Sangeet Shikshan Pranali Co-7 .students can be able to write and sing Vilambit gat / drut khyal Ragas with Alap & Taans:-- Multani & Darbari- Kanada. Co-8 students will learn how to play To (Single + Double) of talas:-Deepchandi, Dhamar & Adachartal) Co-9 students will learn of Ragas:- Non detailed Ragas: Madhuwanti, Adana</p>
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DEPARTMENT OF ENGLISH

Course Outcomes of B.A. (English)

Course	Outcomes
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. CO-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 them 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

	<p>fiction and essays and relate the texts and contexts to real life.</p> <p>CO-2. Empower students to exercise their ability to think clearly and cogently.</p> <p>CO-3. Get implied meaning of language and capability of self-expression.</p> <p>CO-4. Read and comprehend matter written in English.</p> <p>CO-5. Equip with competency in fields where oral skills are demanded.</p>
Elective English	<p>CO-1. Get knowledge of identification of literary devices used by writers.</p> <p>CO-2. Do a close reading of literary texts and rhetoric.</p> <p>CO-3. Increase knowledge of fiction, poetry, and drama.</p> <p>CO-4. Understand various genres of literature along with the usage of literary devices.</p> <p>CO-5. Learn effective communication by reading the various language patterns, sentence structure and dialogue forms.</p> <p>CO-6. Identify parts of speech.</p>
Semester-IV	
English Compulsory	<p>CO-1. Read a variety of texts critically.</p> <p>CO-2. Get practical knowledge regarding the various grammatical aspects.</p> <p>CO-3. Promote the speaking and writing skills of the students by developing the vocabulary.</p>
Elective English	<p>CO-1. Understand distinctive features of novels, short fiction and prose essays.</p> <p>CO-2. Write, expand an idea and contract a passage.</p> <p>CO-3. Enhance the vocabulary for linguistic competence and effective communication.</p>
Semester-V	
English Compulsory	<p>CO-1. Basic knowledge of English as Language.</p> <p>CO-2. Improve the writing skills of the students through various aspects of grammar.</p> <p>CO-3. Get advance knowledge of English in matter of speaking, writing, listening and reading.</p> <p>CO-4. Acquaint with a keen and subtle way in which the language is used.</p> <p>CO-5. Understand relation between pleasure of literature and real life.</p>

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

Course Outcomes of B.C.A. (English)

Course	Outcomes After completion of each course, students would be able to ;
Semester-I	
English Compulsory	CO-1. Encourage the students to speak English well. CO-2. Enable students to use English in day-to-day communication. CO-3. Develop their written communicative competence. CO-4. Prepare them for competitive exams. CO-5. Build up their confidence in the usage of English. CO-6. Read the text critically
Semester II	
English Compulsory	CO-1. Describe and identify major writers of the poetry genre CO-2. Develop the knowledge of grammatical system of English language. CO-3. Develop four language skills: listening, speaking, reading and writing. CO-4. Equip learners with current trends in grammar and usage. CO-5. Develop their ability as critical readers and writers. CO-6. Increase self-awareness about the English language.

Course Outcomes of B.Sc. (English)

Course	Outcomes After completion of each course, students would be able to ;
SEMESTER III	
English Compulsory	<p>CO-1. Enhance proficiency in grammar, its effective usage in speaking and writing.</p> <p>CO-2. Foster cooperation and encourage participation in various tasks.</p> <p>CO-3. Develop cultural and interpersonal sensitivity in communication behaviour.</p> <p>CO-4. Develop, interpret and express ideas through oral, visual and written communication effectively.</p> <p>CO-5. Develop intellectual flexibility and creativity.</p>
SEMESTER IV	
English Compulsory	<p>CO-1. Write and speak good English in all situations.</p> <p>CO-2. Use receptive skills through reading and listening to acquire good exposure to language and literature.</p> <p>CO-3. Trace the difference of pronunciation of words, their correct pronunciation, accent and intonation.</p> <p>CO-4. Perform various speaking and writing tasks, such as role-plays, debates, group discussion.</p> <p>CO-5. Develop accurate sense of self and nurture a deep understanding of personal motivation.</p> <p>CO-6. Enhance fluency of language, presentation skills and creative writing.</p>

Course Outcomes of B.Com. (English)

Course	Outcomes After completion of each course, students would be able to ;
SEMESTER-I	
BCM 102: ENGLISH AND BUSINESS COMMUNICATION SKILLS	CO1. Provide an overview of Prerequisites to Business Communication. CO2. Use the basic mechanics of Grammar. CO3. Get an outline to effective Organizational Communication. CO4. Underline the nuances of Business communication. CO5. Impart the correct practices of the strategies of Effective Business writing
SEMESTER-II	
BCM 202 : ENGLISH AND BUSINESS COMMUNICATION	CO1. Improve their writing skills. CO2. Demonstrate his verbal and non-verbal communication ability through presentations. CO2. Distinguish among various levels of organizational communication and communication barriers. CO3. Get an outline to effective Organizational Communication. CO4. Underline the nuances of Business communication. CO5. Impart the correct practices of the strategies of Effective Business writing.

Course Outcomes M.A. (English)

Semester-I

M.A. English I	Course Outcomes After completion of this course, students would be able to :
Paper-I	CO-1. Understand the concept of literary Criticism and Theory. CO-2. Recognize historical, Political and Aesthetic dimensions of the growth of Literary Criticism. CO-3. Get familiarize with the key concepts and texts of literary criticism ever since it emergence. CO-4. Get first hand knowledge of some of the works of the great critics.
Paper-II	CO-1. Understand the concept of metaphysical poetry. CO-2. Understand the new literary forms of English poetry. CO-3. Recognize the rhythms, metrics, and other musical aspects of poetry.
Paper-III	CO-1. Expound the effect that drama has on the understanding of ideas and the ethos of a culture. CO-2. Understand theme, structure, and style in British Drama. CO-3. Understand the social and historical contexts of the drama.
Paper-IV	CO-1. Evaluate the story based on themes and analyse the style of writing, classifying characters, and other aspects of the novel. CO-2. Understand different types of characters and how they react to the situation. CO-3. Learn about the concept of picaresque novel, realism, epistolary novel, social novel, and historical novel. CO-4. Able to look at the text in a critical perspective.

Semester-II

M.A. English I	Course Outcomes After completion of this course, students would be able to :
Paper-I	CO-1. Develop a chronological sense of literary criticism. CO-2. Encourage students to undertake further reading in literary criticism. CO-3. Acquaint the students with important critical movements.

Paper-II	<p>CO-1. Understand the theme, structure, and style of British Poetry.</p> <p>CO-2. Analyse the various elements of poetry, such as diction, tone, form, imagery, figure of speech, symbolism, theme, etc.</p> <p>CO-3. Understand the significance of human values and moral values.</p>
Paper-III	<p>CO-1. Identify, explicate, and respond to key themes and elements in drama.</p> <p>CO-2. Learn to comprehend and analyse historical contexts of the drama.</p> <p>CO-3. Learn to critically analyse key ideas in dramatic literature.</p>
Paper-IV	<p>CO-1. Learn about the variety of structures in novel.</p> <p>CO-2. Acquire a broad perspective of the novel as a literary genre and the relevant historical, geographical, cultural identical backgrounds.</p> <p>CO-3. Appreciate the working of various literary devices like irony in fiction.</p> <p>CO-4. Analyse various types of novels with reference to thematic and other approaches.</p>

DEPARTMENT OF HINDI

Course Outcomes of B.A. (Hindi)

Course	Outcomes
SEMESTER-I	
Paper- Hindi	<ul style="list-style-type: none">* Stories of famous Hindi Writers like Prem Chand, Jai Shankar Parshad, Ashk etc.* History of Hindi Lit. –Aadi Kaal.* Elements of story.* Basic Grammer.* Official and technical word meaning.* Poetry of poets during Bhakti Kaal like Kabir Dass ji, Guru Nanak Dev Ji, Meera Bai, Rai Dass.
SEMESTER-II	
Paper- Hindi	<ul style="list-style-type: none">• Poetry of poets during Bhakti Kaal like Tulsi Dass Ji, Sur Dass Ji.* Elements of Novel.* Jhansi Ki Rani Novel by Varindawan Lal Verma.* History of Hindi Lit. –Bhakti Kaal.* Letter and Paragraph writing.* Official and technical word meaning.
SEMESTER-III	
Paper- Hindi	<ul style="list-style-type: none">* Poetry of poets during Dwivedi and Chayavaad Yug like Gupt, Parsad, Pant and Nirala.* Hindi Play Ek Satya Harishchandra by Dr. Laxmi Narayan Lal.* History of Hindi Lit. –Reeti Kaal.* Elements of Play.* Grammer
SEMESTER-IV	
Paper- Hindi	<ul style="list-style-type: none">* Poetry of poets during Chayavaad and Parayogvaad Yug like Mahadevi Verma, Bharti, Agney.* History of Hindi Lit. –Aadhunik Kaal.* Adarsh Ekanki sangreh (One act Plays)* Elements of Ekanki.* Official letter writing.* Official Comments writing.
SEMESTER-V	

Paper- Hindi	<ul style="list-style-type: none">* Kurukshetra by Ramdhari Singh Dinkar.* Elements of Kavya, Maha Kavya, Khand Kavya, Nibandh, Jeewani.* Alankar
SEMESTER-VI	
Paper- Hindi	<ul style="list-style-type: none">* Essay Writing.* Gadya Phulwari an Anthology of prose writing.* History of Hindi prose.* Chand.* Devnagri- it's Sources and qualities.* How to prepare Invitation Card, advertisement writing.

DEPARTMENT OF PUNJABI

Course Outcomes of B.A. (Punjabi)

Semester-I	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਸਾਹਿਤ ਵਿੱਚ ਆਧੁਨਿਕਤਾ ਦੇ ਸੰਕਲਪ ਨੂੰ ਸਮਝਣਯੋਗ ਬਣਾਏ ਹਨ। CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅੰਦਰ ਸਾਹਿਤਕ ਵਿਵੇਕ ਵਿਕਸਤ ਹੁੰਦਾ ਹੈ। CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਗਿਆਨ ਬਾਰੇ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀ ਵਿਧਾ 'ਇਕਾਂਗੀ' ਦੀਆਂ ਬਾਰੀਕੀਆਂ ਨੂੰ ਸਮਝਦੇ ਹਨ। CO-2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਅਧਿਐਨ ਕਰਕੇ ਆਪਣੀ ਸੁਹਜਾਤਮਕ ਸੰਵੇਦਨਾ ਨੂੰ ਅਮੀਰ ਕਰਦੇ ਹਨ। CO-3. ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ, ਨਾਟਕ ਅਤੇ ਇਕਾਂਗੀ ਦੇ ਸੰਖੇਪ ਪਿਛੋਕੜ ਬਾਰੇ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।

Semester-II	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-PBC General Punjabi	CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤਕ ਵਿਧਾ 'ਨਿੱਕੀ ਕਹਾਣੀ' ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਦੇ ਹਨ। CO-2. ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਦੀ ਮੁੱਢਲੇ ਗਿਆਨ ਨੂੰ ਪ੍ਰਾਪਤ ਕਰਦੇ ਹਨ। CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਅਤੇ ਸਾਹਿਤ ਦੇ ਅਧਿਐਨ ਨਾਲ ਰੁਬਰੂ ਹੁੰਦੇ ਹਨ।
Paper Code-PBI Elective Punjabi	CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਵਿਚਲੇ ਸਮਕਾਲੀ ਕਵੀਆਂ ਦੀਆਂ ਚੋਣਵੀਆਂ ਰਚਨਾਵਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।

	<p>CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਨਾਵਲ, ਕਹਾਣੀ ਅਤੇ ਸਫ਼ਰਨਾਮਾ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਬਾਰੇ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਦੇ ਹਨ।</p>
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Semester-III	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-PBC General Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਵਿਧਾ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਰੂਪ ਵਿਗਿਆਨ ਦੀਆਂ ਅਲੱਗ ਅਲੱਗ ਪਰਤਾਂ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਸ਼ਬਦ-ਰਚਨਾ ਅਤੇ ਸ਼ਬਦਾਂ ਦੀਆਂ ਕਿਸਮਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਦੇ ਹਨ।</p>
Paper Code-PBI Elective Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੀ ਵਿਧਾ ਸਫ਼ਰਨਾਮਾ ਸਾਹਿਤ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਅੰਤਰਗਤ ਸੂਫੀ ਕਾਵਿ ਅਤੇ ਕਿੱਸਾ ਕਾਵਿ ਦੇ ਇਤਿਹਾਸ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p>

Semester-IV	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-PBC General Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੀ ਵਿਧਾ ਨਾਟਕ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਉਪਭਾਸ਼ਾ ਵਿਗਿਆਨ ਰਾਹੀਂ ਪੰਜਾਬੀ ਦੀਆਂ ਉਪਭਾਸ਼ਾਵਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਸ਼ਬਦ-ਜੋੜਾਂ ਦੇ ਨਿਯਮਾਂ ਅਤੇ ਮਿਆਰੀਕਰਨ ਬਾਰੇ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p>
Paper Code-PBI Elective Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਆਲੋਚਨਾਤਮਕ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p>

	<p>CO-2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਨਿੱਕੀ ਕਹਾਣੀ ਦੀ ਸਾਹਿਤਕ ਆਲੋਚਨਾ ਦੀ ਜਾਚ ਸਿੱਖਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਅੰਤਰਗਤ ਵਾਰ ਕਾਵਿ, ਜੰਗਨਾਮਾ ਅਤੇ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p>
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Semester-V	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-PBC General Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਵੱਖ ਵੱਖ ਰੂਪਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਰਚਨਾਤਮਕ ਨਾਲ ਜੁੜਨ ਲਈ ਨਿਬੰਧ ਲੇਖਣ ਦਾ ਅਭਿਆਸ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਲਿਪੀ , ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੇ ਜਨਮ ਅਤੇ ਵਿਕਾਸ ਬਾਰੇ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p>
Paper Code-PBI Elective Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਪੰਜਾਬੀ ਕਾਵਿ ਨਾਲ ਜੁੜਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੀ ਵਿਧਾ ਨਾਟਕ ਨੂੰ ਆਪਣੇ ਅਧਿਐਨ ਦਾ ਵਸਤੂ ਬਣਾਉਂਦੇ ਹਨ।</p> <p>CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਦੀ ਬੁਨਿਆਦੀ ਸਮਝ ਗ੍ਰਹਿਣ ਕਰਦੇ ਹਨ।</p>

Semester-VI	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-PBC General Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਨਾਵਲ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਸਮਾਜਿਕ ਢਾਂਚੇ ਦੀ ਤਹਿ ਵਿੱਚ ਵਾਪਰਦੀਆਂ ਘਟਨਾਵਾਂ ਦੀ ਸਮਝ ਵਿਕਸਤ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਵਾਕ ਵਿਗਿਆਨ ਦੇ ਮੂਲ ਸਿਧਾਂਤਾਂ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p>
Paper Code-PBI Elective Punjabi	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੇ ਰੂਪ ਨਿਬੰਧ ਬਾਰੇ ਬੁਨਿਆਦੀ ਸਮਝ ਹਾਸਲ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਪੱਛਮੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਦੇ ਬੁਨਿਆਦੀ ਸਿਧਾਂਤਾਂ ਨੂੰ ਸਮਝਦੇ</p>

	<p>ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਦੇ ਹਾਸਲ ਕੀਤੇ ਗਿਆਨ ਦੁਆਰਾ ਹੋਰ ਡਿਪਲੋਮਾ ਕੋਰਸ ਵਿੱਚ ਦਾਖਲਾ ਲੈਣ ਲਈ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।</p>
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Course Outcomes of M.A. (Punjabi)

Semester-I	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-MPI	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਆਦਿ ਕਾਲ ਵਿੱਚ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਨੂੰ ਖੰਗਾਲਿਆ ਜਾਂਦਾ ਹੈ।</p> <p>CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਹੋਰ ਪ੍ਰਤਿਯੋਗੀ ਪ੍ਰੀਖਿਆਵਾਂ ਸੰਬੰਧੀ ਤਿਆਰ ਹੁੰਦੇ ਹਨ।</p> <p>CO-4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦੀਆਂ ਸਮੱਸਿਆਵਾਂ ਅਤੇ ਕਾਲ ਵੰਡ ਦੇ ਮਸਲੇ ਸਮਝਦੇ ਹਨ।</p>
Paper Code-SSP	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਸਿਧਾਂਤਾਂ ਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਗਰੀਕੋ -ਰੋਮਨ ਕਾਵਿ ਸ਼ਾਸਤਰ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p> <p>CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਮੁੱਚੇ ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-4. ਵਿਦਿਆਰਥੀ ਵੱਖ ਵੱਖ ਸਾਹਿਤ ਅਧਿਐਨ ਪ੍ਰਣਾਲੀਆਂ ਦੀ ਸਮਝ ਵਿਕਸਤ ਕਰਦੇ ਹਨ।</p>
Paper Code-MPK	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਗੁਰਮਿਤ ਕਾਵਿ ਦੇ ਵਿਸ਼ਵ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਤੇ ਵਿਚਾਰਧਾਰਾ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਸੂਫੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਸੰਘਣੇਪਣ, ਗਹਿਰਾਈ ਅਤੇ ਵਿਚਾਰਧਾਰਕ ਪਰਿਪੇਖ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-4. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਹੋਰ ਪ੍ਰਤਿਯੋਗੀ ਪ੍ਰੀਖਿਆਵਾਂ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਦੇ ਹਨ।</p>
Paper Code-PNA	<p>CO-1. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿੱਚ ਨਾਵਲ ਦੇ ਜਨਮ ਅਤੇ ਵਿਕਾਸ ਬਾਰੇ</p>

	<p>ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬ ਦੇ ਸਮਾਜ ਸਭਿਆਚਾਰ ਨੂੰ ਸਮਝਦੇ ਹਨ ਅਤੇ ਆਲੋਚਨਾਤਮਕ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਨਾਵਲ ਦੇ ਸਰਵੇਖਣ ਅਤੇ ਮੁਲਾਂਕਣ ਦੁਆਰਾ ਸਮਾਜ ਪ੍ਰਤਿ ਆਪਣੀ ਸਮਝ ਵਿਕਸਤ ਕਰਦੇ ਹਨ।</p>
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Semester-II	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-API	<p>CO-1. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿੱਚ ਆਧੁਨਿਕਤਾ ਦੇ ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ ਦਾ ਸਿਲਸਿਲੇਵਾਰ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਵੀਹਵੀਂ ਸਦੀ ਦੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਇਤਿਹਾਸਮੂਲਕ ਅਤੇ ਪ੍ਰਵਿਰਤੀਮੂਲਕ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਵੀਹਵੀਂ ਸਦੀ ਦੇ ਪੰਜਾਬੀ ਗਲਪ, ਕਹਾਣੀ ਅਤੇ ਵਾਰਤਕ ਰੂਪਾਂ ਦੇ ਵਿਕਾਸ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p> <p>CO-4. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਹੋਰ ਪ੍ਰਤਿਯੋਗੀ ਮੁਕਾਬਲਿਆਂ ਨੂੰ ਦੇਣ ਲਈ ਤਿਆਰ ਹੁੰਦੇ ਹਨ।</p>
Paper Code-PKS	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਆਲੋਚਨਾ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਜਾਣਦੇ ਹਨ।</p> <p>CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅੰਤਰ-ਅਨੁਸ਼ਾਸਨੀ ਸਮਝ ਵਿਕਸਤ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਪੰਜਾਬੀ ਵਾਰਤਕ ਸਾਹਿਤ ਦੀ ਵਿਹਾਰਕ ਸਮੀਖਿਆ ਦਾ ਗਿਆਨ ਹਾਸਲ ਕਰਦੇ ਹਨ।</p>
Paper Code-MPK	<p>CO-1. ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪ੍ਰਗਤਿ ਅਤੇ ਬਿਰਤਾਂਤਕ ਕਵਿਤਾ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਰਤੀ ਸੂਫੀ ਪ੍ਰਪੰਚ ਅਤੇ ਸਾਹਿਤ ਤੋਂ ਵਾਕਫ਼ ਹੁੰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰ ਕਾਵਿ ਦਾ ਸਰਬਪੱਖੀ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p>
Paper Code-PNA	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਬਿਰਤਾਂਤ ਤੇ ਬਿਰਤਾਂਤਕਾਰੀ ਦੇ ਮੂਲ ਸਿਧਾਂਤਾਂ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਸਮਾਜ, ਸੱਭਾ ਅਤੇ ਸਮਕਾਲੀ ਪੰਜਾਬੀ ਨਾਵਲ ਦਾ ਅਧਿਐਨ</p>

	<p>ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਬੰਦੇ ਦੀ ਮਾਨਸਿਕਤਾ ਨੂੰ ਸਮਝਣਯੋਗ ਹੁੰਦੇ ਹਨ।</p>
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Semester-III	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-BVP	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਅਤੇ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਦੇ ਮੂਲ ਸਿਧਾਂਤਾਂ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਦੇ ਅੰਤਰਗਤ ਧੁਨੀ ਵਿਗਿਆਨ ਅਤੇ ਰੂਪ ਵਿਗਿਆਨ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ, ਸਭਿਆਚਾਰ ਅਤੇ ਸਾਹਿਤ ਦੀ ਸਮਝ ਵਿਕਸਤ ਕਰਦੇ ਹਨ।</p>
Paper Code-SLP	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਭਿਆਚਾਰ ਦੀ ਪ੍ਰਕਿਰਤੀ ਅਤੇ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਲੋਕਧਾਰਾ ਦੇ ਮੂਲ ਸੰਕਲਪਾਂ ਨਾਲ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਦੇ ਪੜਾਵਾਂ, ਨਿਖੜਵੇਂ ਲੱਛਣਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-4. ਵਿਦਿਆਰਥੀ ਵਿਸ਼ਵੀਕਰਨ ਦੇ ਦੌਰ ਵਿੱਚ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੇ ਸਨਮੁੱਖ ਨਵੀਆਂ ਵੰਗਾਰਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p>
Paper Code-APK	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ, ਪ੍ਰਮੁੱਖ ਪੰਜਾਬੀ ਕਾਵਿ ਪ੍ਰਵਿਰਤੀਆਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਵਿਚਾਰਧਾਰਾਈ ਆਧਾਰ ਨਾਲ ਜੁੜਦੇ ਹਨ।</p> <p>CO-4. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਵੱਖ ਵੱਖ ਕਾਵਿ ਰੂਪਾਂ ਨੂੰ ਜਾਣਦੇ ਹਨ।</p>
Paper Code-PNR	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਨਾਟਕ ਅਤੇ ਰੰਗਮੰਚ ਦੇ ਸਿਧਾਂਤਾਂ, ਇਤਿਹਾਸ ਅਤੇ ਪ੍ਰਵਿਰਤੀਆਂ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p>

	<p>CO-2. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਰੰਗਮੰਚ ਦੀਆਂ ਸਮੱਸਿਆਵਾਂ ਤੇ ਇਤਿਹਾਸ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਮਾਜ ਸਭਿਆਚਾਰ ਵਿੱਚ ਪਨਪਦੇ ਨਵੇਂ ਸੰਕਟਾਂ ਨੂੰ ਨਾਟਕ ਵਿਧਾ ਰਾਹੀਂ ਜਾਣਨ ਦੀ ਕੋਸ਼ਿਸ਼ ਕਰਦੇ ਹਨ।</p>
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Semester-IV	
Course	Outcomes:- After completion of each course, students would be able to;
Paper Code-BPG	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਦੇ ਮੂਲ ਸਿਧਾਂਤਾਂ ਨੂੰ ਸਮਝਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵੰਡ, ਪੰਜਾਬੀ ਰੂਪਗ੍ਰਾਮ ਅਤੇ ਪੰਜਾਬੀ ਵਾਕ ਬਣਤਰ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ, ਵਿਭਿੰਨ ਪੜਾਵਾਂ ਅਤੇ ਵਰਤਮਾਨ ਸਥਿਤੀ ਬਾਰੇ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p> <p>CO-4. ਵਿਦਿਆਰਥੀ ਗੁਰਮੁਖੀ ਲਿਪੀ, ਗੁਰਮੁਖੀ ਆਰਥੋਗ੍ਰਾਫੀ ਅਤੇ ਪੰਜਾਬੀ ਸ਼ਬਦ ਜੋੜਾਂ ਦੀਆਂ ਸਮੱਸਿਆਵਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p>
Paper Code-PLS	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ ਦੀਆਂ ਮੂਲ ਵਿਧਾਵਾਂ ਦੀ ਵਰਗ ਵੰਡ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਲੋਕ ਸਾਹਿਤ ਦੀ ਪ੍ਰਕਿਰਤੀ, ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਅਤੇ ਸਭਿਆਚਾਰਕ ਮਹੱਤਵ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਲੋਕ ਸਾਹਿਤ ਦੇ ਵੱਖ ਵੱਖ ਰੂਪਾਂ ਦੀ ਸਿਰਜਣਹਾਰੀ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p>
Paper Code-APK	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਕਾਵਿ ਬੋਧ , ਪ੍ਰਮੁੱਖ ਝੁਕਾਵਾਂ ਅਤੇ ਆ ਰਹੇ ਬਦਲਾਵਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਨਵੇਂ ਕਾਵਿ ਰੂਪਾਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਉਤਰ ਪੰਜਾਬ ਸੰਕਟ ਕਾਲ ਵਿੱਚ ਰਚੀ ਜਾ ਰਹੀ ਕਵਿਤਾ ਦੇ ਸਰੋਕਾਰਾਂ ਦੀ ਨਿਸ਼ਾਨਦੇਹੀ ਕਰਦੇ ਹਨ।</p>
Paper Code-PNR	<p>CO-1. ਇਸ ਕੋਰਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਨਾਟਕ ਅਤੇ ਰੰਗਮੰਚ ਦੇ ਇਤਿਹਾਸ ਅਤੇ ਪ੍ਰਵਿਰਤੀਆਂ ਦਾ ਅਧਿਐਨ ਕਰਦੇ ਹਨ।</p> <p>CO-2. ਵਿਦਿਆਰਥੀ ਅਜੋਕੇ ਸਮਾਜ ਸਭਿਆਚਾਰ ਵਿੱਚ ਬੰਦੇ ਦੀ ਸੰਕਟਮਈ</p>

	<p>ਸਥਿਤੀ ਨੂੰ ਨਾਟਕੀ ਸ਼ੈਲੀ ਰਾਹੀਂ ਸਮਝਣ ਦਾ ਉਪਰਾਲਾ ਕਰਦੇ ਹਨ।</p> <p>CO-3. ਵਿਦਿਆਰਥੀ ਪ੍ਰਵਾਸੀ ਪੰਜਾਬੀਆਂ ਦੀਆਂ ਸਮੱਸਿਆਵਾਂ ਨੂੰ ਨਾਟਕੀ ਵਿਧਾ ਰਾਹੀਂ ਉਜਾਗਰ ਕਰਦੇ ਹਨ।</p>
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R.S.D. COLLEGE

FEROZEPUR CITY (152002)

FACULTY OF COMMERCE

Course Outcomes (COs)

POST-GRADUATE DEPARTMENT OF COMMERCE
Course Outcomes of B.Com

B.com Semester I

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1.	BCM101 A: PUNJABI	CO-1. 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 ACCOUNTING	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 After completion of each course, students would be able to;
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

		<p>debentures.</p> <p>CO-3. Practical knowledge of issue and redemption of shares.</p> <p>CO-4.To study how to maintain accounts of banking and insurance Companies.</p> <p>CO-5. Guidelines and procedure of issuing bonus and right shares</p>
7.	BCM 206: BUSINESS LAWS	<p>CO-1. Critically evaluate conditions and warranties of sale of goods act.</p> <p>CO-2. Able to use negotiable instrument in practical life.</p> <p>CO-3. Demonstrate understanding of the legal environment of business.</p> <p>CO-4.Communicate effectively using standard business and legal terminology.</p> <p>CO-5.To Aware students about the different business laws.</p>
8.	BCM 207: HUMAN RESOURCE MANAGEMENT	<p>CO-1.Learn the qualities of human resource manager in an organization.</p> <p>CO-2. Analysis the importance of different methods of training given to the employees in organization.</p> <p>CO-3. Memorize the difference between on the job training and of the job training.</p> <p>CO-4. To acquaint the participant of industrial relation and recruitment of good industrial relation programme.</p>
9.	ENVIRONMENT, ROAD SAFETY EDUCATION, VIOLENCE AGAINST WOMEN/ CHILDREN AND DRUG ABUSE	<p>CO1: To enhance the knowledge of the students regarding various environment issues, road-safety rules, and various abuses.</p>

B.com Semester III

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1.	BCM 301: ISSUES IN INDIAN COMMERCE	<p>CO-1. To enable the students to acquire basic knowledge of different issues in Indian commerce.</p> <p>CO-2.To enhances the knowledge about the international sources of finance.</p> <p>CO-3. To give knowledge about stock exchanges, credit rating agencies.</p> <p>CO-4. To give knowledge about credit rating agencies and role of ICRA and CRISIL.</p> <p>CO-5.To imparts knowledge about the Investor</p>

		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 of 2013. 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 impart 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	<p>CO-1.To gain working knowledge on GST and application of the same in the organizations.</p> <p>CO-2. To enable the students to learn the concepts indirect tax and GST from the pre GST period to post GST period.</p> <p>CO-3. To understand the implications of GST on the taxable capacity consumers, dealers and of the society at large and its changes</p> <p>CO-4. Understand and make use of knowledge of GST rules in taking managerial decisions in various tax related matters.</p> <p>CO-5. To enable students to learn about the various GST authorities.</p>

B.Com Semester IV

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1.	BCM 401: SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	<p>CO-1. Analyze and evaluate financial markets, how securities are traded, mutual funds, investment companies, and investor behavior.</p> <p>CO- 2. Construct optimal portfolios and illustrate the theory and empirical applications of asset pricing models.</p> <p>CO-3. Explain macro and industry analysis, equity valuation, financial statement analysis and technical analysis.</p> <p>CO-4. Analyze bond prices and yields and fixed-income portfolios.</p> <p>CO-5. Characterize the implications of the market efficiency evidence on active portfolio management.</p>
2.	BCM 402: ADVANCED ACCOUNTING	<p>CO-1.To give conceptual knowledge to students about advanced accounting problems with relevant Indian Accounting Standard.</p> <p>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.</p> <p>CO-4. To impart depth knowledge about the procedure of liquidation of companies.</p>
3.	BCM403: AUDITING AND	CO-1. Student will understand the audit process from

	SECRETARIAL PRACTICE	<p>the engagement planning stage through completion of the audit, as well as the rendering of an audit opinion via the various report options.</p> <p>CO-2. To help the students in understanding concepts and issues in Auditing and secretarial practices.</p> <p>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.</p> <p>CO-5. To knows about the position and role of a company Secretary.</p>
4.	BCM 404: COST MANAGEMENT	<p>CO-1. To acquaint the students with the various methods of cost determination.</p> <p>CO-2. To understand the tools and techniques of cost control.</p> <p>CO-3. Able to prepare various budgets like fixed and flexible budgets.</p> <p>CO-4. Define the terms with regard to variance analysis.</p> <p>CO-5. Define the process to compute total cost of a product belong to various production processes.</p>
5.	BCM 405: MARKETING MANAGEMENT	<p>CO-1. Students can identify how consumer behaves differently.</p> <p>CO-2. Able to understand how a product passed from different stages.</p> <p>CO-3. Able to understand the difference between trademark and branding.</p> <p>CO-4. Able to describe the customer segmentation, target marketing and positioning.</p> <p>CO-5. Understand different methods of sale promotion.</p>
6.	BCM 406: QUANTITATIVE TECHNIQUES AND METHODS	<p>CO-1. Students will acquaint with the various quantitative techniques and methods.</p> <p>CO-2. Students will understand the theory of probability and applications of linear programming.</p> <p>CO-3. Students will understand the concept of correlation, regression and their practical implications.</p> <p>CO-4. Students can apply such techniques and methods in practical life.</p> <p>CO-5. It will help students in making managerial decisions</p>

B.Com Semester-V

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

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

B.Com Semester VI

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1.	BCM 601: DIRECT TAX LAWS	<p>CO-1. To understand the provision and procedure for clubbing & aggregation of incomes and set-off & carry forward of losses.</p> <p>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.</p> <p>CO-3. To understand the provisions and procedure to compute total income and tax payable by an individual. HUF, Firms and AOP/BOI.</p> <p>CO-4. To understand various tax rebates & relief and procedure to file IT return.</p> <p>CO-4. To aware the students about the tax authorities and their powers.</p> <p>CO-5. Able to file IT return on individual basis.</p>
2.	BCM 602: FINANCIAL MANAGEMENT	<p>CO-1. To learn capital budgeting and different techniques.</p> <p>CO-2. To study effective financial planning.</p>

		<p>CO-3. Students will able to understand the concept of working capital management.</p> <p>CO-4. Perform analytical reviews of financial results, proposals, and plans.</p> <p>CO-5. Identify funding sources, instruments, and markets.</p>
3.	BCM 603: ISSUES IN FINANCIAL REPORTING	<p>CO-1. The main purpose of this subject is to provide to knowledge to the students about development in financial reporting.</p> <p>CO-2. Students learn about the various reporting issues at the national and international level.</p> <p>CO-3. To provide conceptual knowledge of framework of FASB and IASB.</p> <p>CO-4. To study about the recent trends in FR in the Indian Contest.</p>
4.	BCM604: SOCIAL AND BUSINESS ETHICS Objectives	<p>CO-1. Develop strategies for identifying and dealing with typical ethical issues, both personal and organizational.</p> <p>CO-2. The student will be able to analyze various ethical codes in corporate governance.</p> <p>CO-3. The student will be able to Analyze corporate social Responsibility.</p> <p>CO-4. Students will be able to understand the environmental issues regarding business.</p>
5.	BCM 605: OPERATIONAL RESEARCH*	<p>CO-1. Students will understand the concept and techniques of operations research.</p> <p>CO-2. Identify and develop operational research models from the verbal description of the real system.</p> <p>CO-3. Understand the mathematical tools that are needed to solve optimization problems.</p> <p>CO-4. Use mathematical software to solve the proposed models.</p> <p>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.</p>
6.	BCM 606: SECTORAL ASPECTS OF INDIAN ECONOMY	<p>CO-1. To study about ways to enhance agricultural productivity.</p> <p>CO-2. To share benefits of organic and corporate farming.</p> <p>CO-3. Study of latest industrial policy with five year plans.</p> <p>CO-4. To determine problems of large scale and small scale industries.</p> <p>CO-5. To throw light on problems of Indian economy with special reference to inflation,unemployment.</p>

B.COM. (HONS.) ACCOUNTING & FINANCE

Sr. No.	Name of the Course	Semester	Course Outcomes After completion of each course, students would be able to;
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 financial 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 of M.Com

M.com Semester- I

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
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.

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

7	M.C. 107 Workshop on IT Applications in Commerce	CO-1: This will help the students gaining insights into IT applications in Commerce
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M.com Semester- II

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
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

		<p>tools.</p> <p>CO-3.To acquaints the students with the knowledge of marketing function and techniques.</p> <p>CO-4. To give knowledge about functions and quality control techniques.</p> <p>CO-5. To give details about strategic importance, layout of production and materials management.</p>
5	M.C.206 BUSINESS POLICY &STRATEGIC MANAGEMENT	<p>CO-1. Familiarization with the strategic management process.</p> <p>CO-2.Understanding about the techniques to scan an environment and the role of environment scanning in hurdle less strategic management of an organization.</p> <p>CO-3.Understanding about the equal importance of strategy formulation and strategy implementation.</p> <p>CO-4.Clarity about the strategies followed by different companies in the corporate world.</p> <p>CO-5. To make students understand and formulate different strategies at business level and corporate level.</p>
6	M.C. 205 - OPERATIONS RESEARCH	<p>CO-1.To make students understand the concepts and techniques of Operations Research for business decision making.</p> <p>CO-2. Identify and develop operational research models from the verbal description of the real system.</p> <p>CO-3. Understand the mathematical tools that are needed to solve optimization problems.</p> <p>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.</p>
7	M.C. 207 Summer training and project report	<p>CO-1: This will help the students gaining practical experience by applying methodologies in commerce in real industries.</p>

M.com Semester- III

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1	M.C.301 Business Performance Measurement	<p>CO-1. To study techniques of measuring corporate performance.</p> <p>CO-2. To study techniques of enhancing corporate</p>

		<p>performance.</p> <p>CO-3. Comparison of traditional and modern techniques of Performance Measurement.</p> <p>CO-4.Steps of setting SMART goals and achieving the same.</p>
2	M.C.302 TAX PLANNING AND MANAGEMENT	<p>CO-1. To enable students to understand various aspects of corporate planning with a view to derive maximum possible tax benefits.</p> <p>CO-2. To familiarize the students with the latest updates of tax law.</p> <p>CO-3.To enable students to understand tax implications for different forms of business.</p> <p>CO-4. To understand the implications of GST on the taxable capacity consumers, dealers and of the society at large and its changes.</p> <p>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.</p>
5	MC. 305 Human Resource Development	<p>CO-1. : Build an understanding, perspective and appreciation for HRD as discipline, process and activity.</p> <p>CO-2: Critically evaluate the exiting theoretical edifice of HRD in order to draw a sketch of HRD relevant in present times.</p> <p>CO-3: Develop skills to assess need for HRD intervention, design learning and development programs and evaluation of HRD programs.</p> <p>CO-4: Develop a perspective to understand organizational dynamics and learning challenges possessed by organizational and social complexities.</p> <p>CO-5: Integrate human with technology and other emerging realities in order to understand how theory unfolds itself in present world of practice.</p>
6	MC. 306 Industrial Relations	<p>CO-1. To give knowledge about industrial relations.</p> <p>CO-2. To make them understand the importance of industrial relations for an organization.</p> <p>CO-3. To give knowledge about trade unions, role of trade unions, trade unions in different countries.</p> <p>CO-4.To give knowledge about dispute resolution and to impart knowledge of labor welfare.</p> <p>CO-5.To impart knowledge of trade union act 1926</p>
5	MC. 313 - BANK MANAGEMENT	<p>Co-1. To acquaint the participants with the operations and functions of corporate investment and retail bankers.</p>

		<p>CO-2. To acquaint the participants with the Non-performing assets and their management.</p> <p>CO-3. To acquaint students with various facets of E-Banking and security measures to be taken.</p> <p>CO-4. To familiarize students with the banking structure in India.</p>
6	MC. 314 - INSURANCE MANAGEMENT	<p>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.</p> <p>CO-2. To provide the knowledge of Insurance Company's Management.</p> <p>CO-3. To aware students about various general and life insurance policies and rules and regulations involved in it.</p> <p>CO-4. To give detailed knowledge about contract of insurance and the principles on which it stands.</p>
7	MC. 315- WORKSHOP ON FINANCIAL MARKETS AND INSTRUMENTS	<p>CO-1. To inculcate adequate presentation skills in students.</p> <p>CO-2. Detailed knowledge about financial markets.</p> <p>CO-3. To impart depth knowledge of derivatives and factoring.</p> <p>CO-4. Detailed study on capital market, money market and stock market.</p> <p>CO-5. To give complete picture on mutual funds.</p>

M.com Semester- IV

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1	M.C.401 PROJECT PLANNING AND CONTROL	<p>CO-1. Manage the scope, cost, timing, and quality of the project, at all times focused on project success as defined by project stakeholders.</p> <p>CO-2. Align the project to the organization's strategic plans and business justification throughout its lifecycle.</p> <p>CO-3. Identify project goals, constraints, deliverables, performance criteria, control needs, and resource requirements in consultation with stakeholders.</p> <p>CO-4. Implement project management knowledge, processes, life cycle and the embodied concepts, tools and techniques in order to achieve project success.</p>

2	M.C.402 KNOWLEDGE MANAGEMENT	<p>CO-1. To aware the students about the details of knowledge management.</p> <p>CO-2. To create knowledge about the concept in changing scenario.</p> <p>CO-3.To discusses its significance in framing the business strategy.</p> <p>CO-4. To discuss knowledge management as a tool of excellence.</p> <p>CO-5. To give details of knowledge management system.</p>
3	M.C.403 BUSINESS ETHICS AND CORPORATE GOVERNANCE	<p>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.</p> <p>CO-2: To appreciate the accountability of corporations towards its stakeholders and society and to create an integrated value framework for Sustainability.</p> <p>CO-3: To serve as an effective board member, build professional boards and as senior managers contribute to strengthening board performance.</p> <p>CO-4: To know about rights and responsibilities of shareholders.</p> <p>CO-5: To build and monitor systems that has strong internal control to prevent corporate frauds.</p> <p>CO-6: To appropriately address ethical issues such as conflicts of interest and insider trading.</p>
4	MC. 407 ORGANISATIONAL CHANGE AND DEVELOPMENT	<p>CO-1. To impart basic knowledge about change management. CO-2. To learn theories of processed change.</p> <p>CO-3. Detailed comparison of coaching and mentoring.</p> <p>CO-4. To study about OD interventions in detail.</p>
5	MC. 408 TRAINING AND DEVELOPMENT	<p>CO-1. To familiarize the students with basic concepts and principles of training and development of human resource.</p> <p>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.</p>

		<p>CO-4. To create awareness about assessment of training needs and curriculum development.</p> <p>CO-5. To discuss the emerging pattern of training and development in India.</p>
6	MC. 409 COMPENSATION MANAGEMENT	<p>CO-1. To promote understanding in issues related to compensation in corporate sector.</p> <p>CO-2. To provide knowledge about skills in designing, analyzing and restructuring compensation management system, policies and strategies.</p> <p>CO-3. How compensation be used as a motivational tool?</p> <p>CO-4. To provide in depth knowledge regarding how to frame compensation policy for corporate directors, senior managers, R &D Staff, Sales Executive etc.</p> <p>CO-5. Students learn about the role of trade unions in compensation management.</p>
7	MC 422: COMPREHENSIVE VIVA VOCE	<p>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.</p>

Course Outcomes of M.COM (Accounting and Finance)

M.Com (Accounting & Finance) Semester I

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1	MAF6101: ORGANISATIONAL BEHAVIOUR	<p>CO-1. To emphasizes the importance of human capital in today's organisations.</p> <p>CO-2. To gives an insight to the students regarding individual and group behavior in any organisation.</p> <p>CO-3. To impart knowledge about organization structures, organizational culture, organization development.</p> <p>CO-4.To impart knowledge of stress management, conflict management.</p> <p>CO-5.To give knowledge about motivation, leadership, group decision- making and communication.</p>
2	MAF6102: ADVANCED ECONOMIC THEORY	<p>CO-1. To acquaint students with the concepts of economic theory and their use in business decision making.</p> <p>CO-2. The effort is to make them capable of using various concepts to deal with business problems in a global economic environment.</p> <p>CO-3. To understand the role of managers informs.</p> <p>CO-4. To analyze the demand and supply condition and access the position of a company.</p> <p>CO-5. To design competitive strategies including pricing, marketing</p>
3	MAF6103: INTRODUCTION TO QUANTITATIVE METHODS	<p>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.</p> <p>CO-2.To understand the statistical tools for research and business decision making.</p> <p>CO-3. To develop an understanding of the theory of probability, rules of probability and probability distributions.</p> <p>CO-4. To comprehend the decision making process under uncertainty using statistical tools.</p>

		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.
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 After completion of each course, students would be able to;
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 methodologies in commerce in real industries.

M.Com(Accounting & Finance) Semester III

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
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

		<p>Company's Management.</p> <p>CO-3. To aware students about various general and life insurance policies and rules and regulations involved in it.</p> <p>CO-4. To give detailed knowledge about contract of insurance and the principles on which it stands.</p>
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M.Com(Accounting & Finance) Semester IV

Sr. No.	Name of the Course	Course Outcomes After completion of each course, students would be able to;
1	MAF7201: BUSINESS ETHICS AND CORPORATE GOVERNANCE	<p>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.</p> <p>CO-2: To appreciate the accountability of corporations towards its stakeholders and society and to create an integrated value framework for Sustainability.</p> <p>CO-3: To serve as an effective board member, build professional boards and as senior managers contribute to strengthening board performance.</p> <p>CO-4: To know about rights and responsibilities of shareholders.</p> <p>CO-5: To build and monitor systems that has strong internal control to prevent corporate frauds.</p>
2	MAF7202: MANAGEMENT CONTROL SYSTEMS	<p>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.</p> <p>CO-2. To make them familiar with modern control techniques.</p> <p>CO-3. To enable students to assess the goals of a company in terms of productivity, profitability or efficiency.</p>
3	MAF7203: INTERNATIONAL FINANCIAL MANAGEMENT	<p>CO-1. This course aims to introduce the environment of international finance and its implications on international business.</p> <p>CO-2. Knowledge about the various sources of finance available to businessmen these days.</p> <p>CO-3. Ability to select an investment proposal by analyzing the compounded and discounted value of money invested.</p>

		<p>CO-4. To acquaint the students regarding the various types of decisions taken by financial managers in current competitive environment.</p> <p>CO-5. To enable students to select an investment project out of alternative investment proposal.</p>
4	MAF7204: PROJECT MANAGEMENT AND CONTROL	<p>CO-1.This course aims to advance a sound understanding of the theory and practice of project management.</p> <p>CO-2.Align the project to the organization's strategic plans and business justification throughout its lifecycle.</p> <p>CO-3.Identify project goals, constraints, deliverables, performance criteria, control needs, and resource requirements in consultation with stakeholders.</p> <p>CO-4. Implement project management knowledge, processes, life cycle and the embodied concepts, tools and techniques in order to achieve project success.</p>
5	MAF7205: FINANCIAL ENGINEERING	<p>CO-1.This course aims at enabling the students to understand and analyze investment problems.</p> <p>CO-2. To develop their skills for the solution of these problems with the help of innovative financial processes, instruments and strategies.</p> <p>CO-3. To provide students with comprehensive technical knowledge o derivative pricing, investment strategies and portfolio management.</p>
6	MC 422: COMPREHENSIVE VIVA VOCE	<p>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.</p>

R.S.D. COLLEGE

FEROZEPUR CITY (152002)

FACULTY OF GUIDANCE &

COUNSELING

Course Outcomes (Cos)

GUIDANCE AND COUNSELING (certificate Course)

Name of the Course	OUTCOMES After completion of each course, students would be able to;
INTRODUCTION TO GUIDANCE	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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 COUNSELING (DIPLOMA)

Name of the Course	OUTCOME After completion of each course, students would be able to;
EDUCATIONAL AND PSYCHOLOGICAL APPRAISAL	<ol style="list-style-type: none"> 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 CHILDREN AND ADOLESCENTS WITH DIFFERENT ABILITIES	<ol style="list-style-type: none"> 1. Understanding the needs and problems of children and adolescents with exceptional abilities 2. Identification of academic, social, emotional and

	vocational problems of students
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3. Conducting individual and group counseling

4. Preparing case history, doing case analysis and preparing profile of the case

R.S.D. COLLEGE
FEROZEPUR CITY (152002)

FACULTY OF HUMAN RIGHTS

EDUCATION

Course Outcomes (Cos)

**COURSE OUTCOMES OF FOUNDATION COURSE IN HUMAN RIGHTS
EDUCATION (3 Months)**

<p>FOUNDATION COURSE IN HUMAN RIGHTS EDUCATION((3 months)</p>	<p>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.</p>
<p>Paper 1- Fundamentals of Human Rights and Duties</p> <p>Max. Marks: 50</p> <p>Theory : 40 Marks</p> <p>Int. Ass. : 10 Marks</p> <p>Time : 2 Hours</p>	<p>CO.1.Students enable to understand the nature and scope of Human Rights, Meaning, Nature and Scope</p> <p>CO.2. Students enable to understand the Duties. Its Meaning and Types and Interrelationship between Rights and Duties</p> <p>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</p> <p>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</p>
<p>Paper 2: Human Rights and Duties in India</p> <p>Max. Marks: 50</p>	<p>CO.1.Examining Indian Constitution, Fundamental Rights,Directive Principles of State Policy,Fundamental Duties</p> <p>CO.2 Students enable to understand the Enforcement and Protective Mechanism, Role of Judiciary , Role of</p>

<p>Theory : 40 Marks</p> <p>Int. Ass. : 10 Marks</p> <p>Time : 2 Hours</p>	<p>National Human Rights Commission and Punjab State Human Rights Commission</p> <p>CO-3 Students enable to understand the Role of Non-Governmental Organizations</p> <p>CO-4 Students enable to Analyzing the Core Societal Problems</p> <p>I. Poverty and Illiteracy.</p> <p>II. Discrimination against Women.</p> <p>III. Discrimination against Children.</p>
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FEROZEPUR CITY (152002)

FACULTY OF
ENVIRONMENTAL AUDITING

Course Outcomes (COs)

Course Outcomes of Environmental Auditing (Certificate Course)

Course name	Outcomes After completion of each course, students would be able to;
<p>Paper Name: Basics of Ecology.</p>	<p>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.</p> <p>CO 2: It will enable the students to have an idea about the various pollution in the ecosystem that are disturbing the balance of the nature.</p> <p>CO 3: The concept of sustainable development teaches the students to learn the optimum uses of the non-renewable resources of the earth</p> <p>CO 4: To apply methodologies for the use of renewable resources in the survival of the mankind and making predictions about future climate change.</p> <p>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.</p> <p>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.</p>
<p>Paper name: Introductory Biology (for non med students)</p>	<p>CO 1: Demonstrate an understanding of Variety of Life: Classification, Prokaryotes, Eukaryotes different kingdoms such as Viruses, Fungi, Protista, Plantae, Animalia;</p> <p>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.</p> <p>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.</p> <p>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</p>

	<p>genetics of Mendelian era, Mendel's work, Chromosomal basis of inheritance, Variation and mutation.</p> <p>CO 6: Pathology: Bacterial, Fungal, Viral diseases and physiological disorders in plants, their symptoms and means of control.</p> <p>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.</p>
<p>Paper Name: Introductory Mathematics (for students from medical stream)</p>	<p>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.</p> <p>CO 2: Trigonometry: Trigonometric identities and functions Exponential and Logarithmic series.</p> <p>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.</p> <p>CO 4: Researches in this field will provide different job-oriented courses which will be beneficial to the students</p>