

## Faculty of Science

### Program Outcomes (POs) for Bachelor of Science (B.Sc.) Programme

PO1:	Bachelor of Science offers theoretical as well as practical knowledge about different subject areas. These subject areas include Chemistry, Botany and Zoology.
PO2:	This course forms the basis of science for coherent understanding of the academic field to pursue multi and inter- disciplinary science careers in future.
PO3:	Able to plan and execute experiments or investigations, analyse and interpret data information collected using appropriate methods.
PO4:	It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace through research.
PO5:	Think critically, follow innovations and developments in science and technology.

## Department of Zoology

### Program Specific Outcomes (PSOs) for Bachelor of Science (B.Sc.) Programme

PSO1:	Understand Classification, structures, functions, affinities, economic importance, pathogenicity and evolutionary relationships of various animals. Their interaction with environment.
PSO2:	Understand the structure and functions of different cells, cell organelles and nucleic acids.
PSO3:	Understand different developmental events of various animals. Analyse developmental relationships.
PSO4:	Learn Genetics, Biotechnology, Applied zoology and microbiology.
PSO5:	Learn Animal physiology, Ecology and Evolution
PSO6:	Learn digital dissection, Identification of animals preparation of slides, staining cell organelles. Understand comparative osteology, Comparative histology, Adaptation, biochemical tests and determine human physiological and biochemical parameters.

Course Outcomes (PSOs) for Bachelor of Science (B.Sc.) Zoology.

Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-I  Life and diversity of animals-I (Invertebrates)	1201	<b>CO1:</b> Classify Protozoa and porifera. Explain structure of Paramecium and Sycon
			<b>CO2:</b> Explain Pathogenesis of Protozoans
			<b>CO3:</b> Classify Coelenterata and Ctenophora
			<b>CO4:</b> Explain Coral reefs and polymorphism.
			<b>CO5:</b> Classify Helminths with examples of parasitic importance.
			<b>CO6:</b> Describe life-cycle of ascaris.
			<b>CO7:</b> Classify Arthropoda and Annelida up to classes with examples
			<b>CO8:</b> Write down economic importance of arthropods
			<b>CO9:</b> Write down the classification and characters of Mollusca
			<b>CO10:</b> Write down the classification and characters of Echinodermata
Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-II  Cell Biology	1202	<b>CO1:</b> Explain Structure and characters of various types of cells.
			<b>CO2:</b> Differentiate between prokaryotic and eukaryotic cells.
			<b>CO3:</b> Explain structure and functioning of plasma membranes.
			<b>CO4:</b> Differentiate between mitosis and meiosis.
			<b>CO5:</b> Write down structure of DNA and RNA
			<b>CO6:</b> Describe DNA replication

			<b>CO7:</b> Describe structure and functions of endoplasmic reticulum.
			<b>CO8:</b> Explain translation in Eukaryotes.
			<b>CO9:</b> Describe GERL
			<b>CO10:</b> Explain structure, function and polymorphism of Lysosomes.
Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-III Developmental Biology	1203	<b>CO1:</b> Explain Hypothalamo-hypophyseal-gandal axis.
			<b>CO2:</b> Describe oogenesis and different types of ova in animals.
			<b>CO3:</b> Write down about sequential events of fertilisation.
			<b>CO4:</b> Explain IVF and embryo transplant.
			<b>CO5:</b> Write down about different types of cleavage.
			<b>CO6:</b> Describe gastrulation and various morphogenetic movements.
			<b>CO7:</b> Write down the characters of embryonic induction.
			<b>CO8:</b> Explain determination and differentiation.
			<b>CO9:</b> Describe extra embryonic membranes.
			<b>CO10:</b> Explain structure and functions of placenta.
lass	Course name	Course code	Course outcomes
B.Sc. I Year	Practical Zoology	1204	<b>CO1:</b> Perform digital dissection of invertebrates.
			<b>CO2:</b> Identify and characterize various invertebrate animals
			<b>CO3:</b> Make permanent slides of given material

			<b>CO4:</b> Prepare a slide of onion root tip / buccal smear staining mitochondria.
			<b>CO5:</b> Prepare practical records.
			<b>CO6:</b> Prepare a slide of polytene chromosomes.
			<b>CO7:</b> Identify slides showing different stages of embryological development.
Class	Course name	Course code	Course outcomes
B.Sc. II Year	Paper-I Life and Diversity of animals-II (Vertebrates)	2201	<b>CO1:</b> Write down characters of Prokaryotes and classify them with examples.
			<b>CO2:</b> Explain anatomy of <i>Herdmania</i> .
			<b>CO3:</b> Describe classification of superclass Pisces with examples.
			<b>CO4:</b> Explain anatomy of <i>Scoliodiodon</i>
			<b>CO5:</b> Describe classification of class Reptilia with characters.
			<b>CO6:</b> Identify poisonous and non-poisonous snakes.
			<b>CO7:</b> Classify Aves with characters and examples.
			<b>CO8:</b> Explain flight adaptation in birds.
			<b>CO9:</b> Write down general characters and classification of class Mammalia with examples.
			<b>CO10:</b> Explain thermoregulation in mammals.
Class	Course name	Course code	Course outcomes
B.Sc. II Year	Paper-II Genetics and Biotechnology	2202	<b>CO1:</b> Explain ultrastructure of Chromosomes.
			<b>CO2:</b> Describe various theories of sex differentiation.
			<b>CO3:</b> Write down mendelian laws of genetics and their significance.

			<b>CO4:</b> Explain genetic interaction.
			<b>CO5:</b> Describe restriction endonucleases and their role in genetic engineering.
			<b>CO6:</b> Explain applications of genetic engineering.
			<b>CO7:</b> Describe mutations and various mutagenic agents.
			<b>CO8:</b> Write down structures of lamp-brush and polytene chromosomes.
			<b>CO9:</b> Explain role of biotechnology in medicine
			<b>CO10:</b> Describe role of biotechnology in food and dairy industry.
Class	Course name	Course code	Course outcomes
B.Sc. II Year	Paper-III Applied Zoology and Microbiology	2203	<b>CO1:</b> Describe sericulture.
			<b>CO2:</b> Explain Pearl culture.
			<b>CO3:</b> Write down about fin-fish culture and fisheries.
			<b>CO4:</b> Explain economic importance of fishing industry.
			<b>CO5:</b> Write down the role of microbes in diseases.
			<b>CO6:</b> Explain structural organisation and physiology of bacteria.
			<b>CO7:</b> Describe environmental microbiology.
			<b>CO8:</b> Explain DNA and RNA viruses.
			<b>CO9:</b> Explain pathogenicity of HIV.
Class	Course name	Course code	Course outcomes
B.Sc. II Year	Practical Zoology	2204	<b>CO1:</b> Perform digital dissection of vertebrate animals.

			<b>CO2:</b> Prepare slides of given materials.
			<b>CO3:</b> Identify and characterize given chordate animal.
			<b>CO4:</b> Explain the histology of given slide
			<b>CO5:</b> Culture and identify mutants <i>Drosophila</i>
			<b>CO6:</b> Identify different stages of silk worm
			<b>CO7:</b> Prepare a stained slide of Gram positive bacteria.
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-I  Animal Physiology, Biochemistry and Immunology	3201	<b>CO1:</b> Explain digestion and absorption of food.
			<b>CO2:</b> Write about the histology of various endocrine glands.
			<b>CO3:</b> Explain metabolism of carbohydrates.
			<b>CO4:</b> Explain metabolism of Proteins and Lipids.
			<b>CO5:</b> Explain mechanism of respiration.
			<b>CO6:</b> Describe transportation of gases.
			<b>CO7:</b> Write about the structure and functions of blood cells.
			<b>CO8:</b> Describe structure and functions of skeletal muscles.
			<b>CO9:</b> Write down the neuron physiology.
			<b>CO10:</b> Describe reproductive physiology
<b>CO11:</b> Describe types of immunity and role of different immunocompetent cells.			
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-II	3202	<b>CO1:</b> Explain Ecosystem, its components and functioning.

	Ecology and Biostatistics		<p><b>CO2:</b> Write about the physico-chemical features and biotic communities of aquatic ecosystem.</p> <p><b>CO3:</b> Describe terrestrial environment.</p> <p><b>CO4:</b> Describe various environmental pollutions.</p> <p><b>CO5:</b> Explain conservation of natural resources.</p> <p><b>CO6:</b> Write about the environmental planning and impact assessment.</p> <p><b>CO7:</b> Explain applications of biostatistics.</p> <p><b>CO8:</b> Explain frequency distribution.</p> <p><b>CO9:</b> Explain standard deviation and standard error.</p>
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-III Ethology and Evolution	3203	<p><b>CO1:</b> Write down various methods of studying behaviour.</p> <p><b>CO2:</b> Explain general aspects of Human behaviour</p> <p><b>CO3:</b> Describe social organisation in animals.</p> <p><b>CO4:</b> Describe reproductive behaviour in animals.</p> <p><b>CO5:</b> Write down the role of pheromones in relation to behaviour.</p> <p><b>CO6:</b> Explain origin of life.</p> <p><b>CO7:</b> Describe various theories related to evolution.</p> <p><b>CO8:</b> Describe isolation and speciation.</p> <p><b>CO9:</b> Explain various types of Adaptations.</p> <p><b>CO10:</b> Write down the evolutionary significance of fossils.</p>

Class	Course name	Course code	Course outcomes
B.Sc. III Year	Practical Zoology	3204	<b>CO1:</b> Perform digital dissection of vertebrate animals.
			<b>CO2:</b> Perform ecological exercises.
			<b>CO3:</b> Perform physiological and biochemical exercises.
			<b>CO4:</b> Identify adaptations in given animals.
			<b>CO5:</b> Field study / Study of animals in natural habitat.



## Department of Chemistry

### Program Specific Outcomes (PSOs) for Bachelor of Science (B.Sc.) Programme

PSO1:	To understand the basic facts and concepts in Chemistry
PSO2:	To understand the importance of Chemistry in daily life
PSO3:	To skill up for various laboratory techniques used in the pharmaceutical and chemical industries
PSO4:	To skill up for basic analytical tools
PSO5:	To develop a better understanding and reasoning of facts
PSO6:	To make students efficient for various spectroscopic analyses

### Course Outcomes (PSOs) for Bachelor of Science (B.Sc.) Chemistry

Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-I  Inorganic Chemistry	1041	<b>CO11:</b> To understand VBT, hybridization, VSEPR theory, and MO theory
			<b>CO12:</b> To understand the ionic bond and metallic bond
			<b>CO13:</b> To learn about non-aqueous solvents like NH <sub>3</sub> and SO <sub>2</sub> etc.
			<b>CO14:</b> To understand hydrogen bond and weak interactions
			<b>CO15:</b> To learn about theories of acids and bases
			<b>CO16:</b> To learn about bond strength, bond energy, percentage ionic character and dipole moment
			<b>CO17:</b> To learn about Born-Haber cycle, solvation energy, solubility of ionic compounds and Fajan's rule
			<b>CO18:</b> To learn the chemistry of noble gases
			<b>CO19:</b> To explain the nature, properties, and compounds of s block elements
			<b>CO20:</b> To explain the nature, properties, and compounds of p block elements
Class	Course name	Course code	Course outcomes

B.Sc. I Year	Paper-II  Organic Chemistry	1042	<b>CO11:</b> To understand structure and bonding in organic compounds
			<b>CO12:</b> To develop concept about mechanism of organic compounds
			<b>CO13:</b> To know about various intermediates such as carbocation's, carbanions, free radicals, nitrenes etc.
			<b>CO14:</b> To know about stereochemistry of organic compounds
			<b>CO15:</b> To understand properties and synthesis of alkanes, cycloalkanes, alkenes and alkynes
			<b>CO16:</b> To learn about arenes and aromaticity
			<b>CO17:</b> To learn properties and reactions of alkyls and aryl halides
			<b>CO18:</b> To learn about various commercially important compounds such as DDT and BHC
			<b>CO19:</b> To learn about conformational isomers
<b>CO20:</b> To create comprehensive thinking about energy consideration's of reactions			
Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-III  Physical Chemistry	1043	<b>CO11:</b> To understand about mathematical concepts used in physical chemistry
			<b>CO12:</b> To know atomic structure
			<b>CO13:</b> To know about gaseous state of matters
			<b>CO14:</b> To know about liquid state of matters
			<b>CO15:</b> To know about solid state of matters
			<b>CO16:</b> To learn difference in colloidal state from gaseous, liquid and solid state
			<b>CO17:</b> To understand concepts and theory behind nuclear and radiochemistry

			<b>CO18:</b> To know about physical properties and molecular structure of compounds
			<b>CO19:</b> To know about Joule –Thomson effect and molecular velocities
			<b>CO20:</b> To know structure of various solids such as KCL, NaCl and CsCl etc.
Class	Course name	Course code	Course outcomes
B.Sc. I Year	Practical Chemistry	1044	<b>CO8:</b> To understand semi-microanalysis of inorganic mixtures
			<b>CO9:</b> To know about crystallization
			<b>CO10:</b> To know about sublimation
			<b>CO11:</b> To learn about melting point determination
			<b>CO12:</b> To understand distribution laws and colloids
			<b>CO13:</b> To learn about transition temperature and experiments of thermochemistry
			<b>CO14:</b> To know about detection of organic compounds
Class	Course name	Course code	Course outcomes
B.Sc. II Year	Paper-I Inorganic Chemistry	2041	<b>CO11:</b> To understand chemistry of elements of first transition series
			<b>CO12:</b> To know chemistry of elements of second transition series
			<b>CO13:</b> To understand difference in between oxidation and reduction
			<b>CO14:</b> To learn chemistry of coordination compounds
			<b>CO15:</b> To understand chemistry behinds lanthanides
			<b>CO16:</b> To understand chemistry behinds actinides

			<b>CO17:</b> To learn principles of gravimetric analysis
			<b>CO18:</b> To know organic reagents used in inorganic analysis such as hydroquinoline, DMG etc.
			<b>CO19:</b> To learn principles, instrumentation and applications of chromatography
			<b>CO20:</b> To understand errors in quantitative analysis
Class	Course name	Course code	
B.Sc. II Year	Paper-II Organic Chemistry	2042	<b>CO11:</b> To learn chemistry of alcohols and epoxides
			<b>CO12:</b> To know nomenclature, synthesis and reactions of phenols
			<b>CO13:</b> To understand nomenclature, synthesis and reactions of aldehydes and ketones
			<b>CO14:</b> To learn chemistry of carboxylic acids and their derivatives
			<b>CO15:</b> To understand chemistry of alkyl amines and aryl amines and nitro compounds
			<b>CO16:</b> To understand chemistry of nitroalkanes
			<b>CO17:</b> To know about organo-sulphur compounds
			<b>CO18:</b> To understand chemistry of polynuclear hydrocompounds
			<b>CO19:</b> To learn chemistry of organo lithium, magnesium and zinc compounds
			<b>CO20:</b> To learn about chemistry of substituted and unsaturated carboxylic acids
Class	Course name	Course code	
B.Sc. II Year	Paper-III	2043	<b>CO10:</b> To understand thermodynamic terms, systems and thermodynamic processes

	Physical Chemistry		<b>CO11:</b> To learn about first laws of thermodynamics and its applications
			<b>CO12:</b> To learn about second laws of thermodynamics and its applications
			<b>CO13:</b> To learn about third laws of thermodynamics and its applications
			<b>CO14:</b> To understand chemical equilibrium
			<b>CO15:</b> To learn polymers and their properties
			<b>CO16:</b> To understand surface chemistry
			<b>CO17:</b> To know about phase equilibrium
			<b>CO18:</b> To understand electrochemistry and ionic equilibria
Class	Course name	Course code	
B.Sc. II Year	Practical Chemistry	2044	<b>CO8:</b> To understand estimation of hardness of water
			<b>CO9:</b> To understand estimation of Iron, Calcium and Magnesium volumetrically
			<b>CO10:</b> To understand estimation of Copper and Nickle gravimetrically
			<b>CO11:</b> To understand TLC and its applications
			<b>CO12:</b> To understand paper chromatography and its applications
			<b>CO13:</b> To identify organic compounds and preparation of their derivatives
			<b>CO14:</b> To understand experiments of chemical kinetics and phase equilibria
Class	Course name	Course code	
B.Sc. III Year	Paper-I Inorganic Chemistry	3041	<b>CO12:</b> To understand hard-soft acids and bases
			<b>CO13:</b> To understand metal ligand bonding in transition metal complexes

			<b>CO14:</b> To learn about magnetic properties of transition metal complexes
			<b>CO15:</b> To learn electronic spectra of transition metal complexes
			<b>CO16:</b> To learn about chemistry of haemoglobin, myoglobin and biological role of alkali earth metals
			<b>CO17:</b> To understand EMF measurement, pH determination and potentiometric titrations
			<b>CO18:</b> To learn oxidation – reduction titrations and complexometric titrations
			<b>CO19:</b> To understand organometallic chemistry
			<b>CO20:</b> To learn thermodynamic and kinetic aspects of metal complexes
			<b>CO21:</b> To learn molecular symmetry and group theory
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-II  Organic Chemistry	3042	<b>CO10:</b> To learn electromagnetic spectra such as absorption, UV-Visible and NMR spectra
			<b>CO11:</b> To learn chemistry of heterocyclic compounds
			<b>CO12:</b> To understand photochemistry of organic compounds
			<b>CO13:</b> To learn organic synthesis via enolates
			<b>CO14:</b> To learn chemistry of carbohydrates
			<b>CO15:</b> To learn chemistry of amino acids, peptides, proteins and nucleic acids
			<b>CO16:</b> To learn chemistry of fats, oils and detergents

			<b>CO17:</b> To understand chemistry of synthetic polymers
			<b>CO18:</b> To learn chemistry of synthetic dyes
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-III Physical Chemistry	3043	<b>CO11:</b> To understand basics of quantum mechanism
			<b>CO12:</b> To learn molecular orbital theory
			<b>CO13:</b> To understand rotational spectroscopy and its applications
			<b>CO14:</b> To understand vibrational spectroscopy and its applications
			<b>CO15:</b> To learn Raman spectroscopy and its applications
			<b>CO16:</b> To understand principles and laws of photochemistry
			<b>CO17:</b> To learn properties of solutions, dilute solutions and colligative properties
			<b>CO18:</b> To learn ionic conductance
			<b>CO19:</b> To understand chemical kinetics and catalysis
			<b>CO20:</b> To understand VBT and MOT
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Practical Chemistry	3044	<b>CO6:</b> To learn synthesis of inorganic compounds such as Ni-DMG, tetraamminecopper(II) sulphate etc.
			<b>CO7:</b> To learn synthesis of various organic compounds
			<b>CO8:</b> To understand conductometric titrations of acids and bases
			<b>CO9:</b> To understand separation and identifications of organic mixtures

## Department of Botany

### Program Specific Outcomes (PSOs) for Bachelor of Science (B.Sc.) Programme

PSO1:	Understand about very early occurring plants on earth, their life cycles, habit, habitat, nature, classification and their economic importance.
PSO2:	Learn to acquire knowledge about those plants which were live in earlier era and now they have become fossil and also about the food and water conduction system in those plants
PSO3:	Learning and understanding about the methods to classify(Systematics) of the plants, methods of fertilization, types of post fertilization changes, embryo and baby plant development process
PSO4:	After learning plants externally, it is also very important to learn and understand the plants internally, so internal study of various types of roots, shoots and leaves are made and to understand about theories related to conduction of food and water in them.
PSO5:	Learning of those methods are very important through which one can produce new, cost effective, multipurpose varieties, viz;(maximum characters like seeds, proteins,height,colour) in one variety through plant breeding techniques
PSO6:	Understand about the physical, chemical and environmental factors on plants and how they respond to it is studied in Ecology and Environment biology and besides this how they make food and how they respire is understood. Above all in todays modern world scientist have made field like facilities in lab and thus all field like experiments in lab are performed and thus this is made available to students.

### Course Outcomes (PSOs) for Bachelor of Science (B.Sc.) Botany.

Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-I(Algae, Lichens and Bryophytes)	1021	<b>CO21:</b> Explain blue-green, green algae on the basis of Fritsch classification, general characters and economic importance
			<b>CO22:</b> write and draw method to explain above mentioned algae i.e. <i>Nostoc</i> , <i>Volvox</i> etc...for their life cycle/s
			<b>CO23:</b> Write and Describe special group of algae called Xanthophyta and Bacillariophyta on the basis of classification, general characters and economic importance
			<b>CO24:</b> write and draw method to explain above mentioned algae i.e. <i>Vaucheria</i> , <i>Oedogonium</i> and <i>Chara</i> etc... for their life cycle/s



			<p><b>CO25:</b> Explain Brown and Red algae on the basis of classification, general characters and economic importance</p>
			<p><b>CO26:</b> write and draw method to explain above mentioned algae i.e. <i>Ectocarpus</i> and <i>polysiphonia</i> respectively etc... for their life cycle/s.</p>
			<p><b>CO27:</b> Explain Bryophyta plant group on the basis of classification, general characters and economic importance</p>
			<p><b>CO28:</b> write and draw method to explain above mentioned Bryophytes viz; <i>Riccia</i>, <i>Marchantia</i>, <i>Anthoceros</i> respectively for their life cycle/s.</p>
			<p><b>CO29:</b> write and draw method to explain above mentioned Bryophytes viz; <i>Sphagnum</i> and <i>Polytrichum</i> only for their life cycle/s.</p>
			<p><b>CO30:</b> Describe recent advances in Bryological research in India.</p>
Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-II(Mycology, Microbiology and Plant Pathology	1022	<p><b>CO21:</b> Describe Heterotroph organisms like fungi on the basis of Alexopolous and Mims classification, general characters and economic importance</p>
			<p><b>CO22:</b> Knowledge of symbiotic relationship and its significance and write and draw method to explain above mentioned Fungi viz; <i>Albugo</i>, <i>Penecillium</i> etc...for their life cycle/s</p>
			<p><b>CO23:</b> write and draw method to explain above mentioned Fungi viz; <i>Puccinia</i>, <i>Ustilago</i>, <i>Alternaria</i> etc...for their life cycle/s.</p>
			<p><b>CO24:</b> Medicine Extraction and Biological Control methods by the fungi.</p>
			<p><b>CO25:</b> Knowledge of Bacteria structure, classification and reproduction and its staining technique and significance.</p>
			<p><b>CO26:</b> Microbiology of water, Soil and Food</p>

			<p><b>CO27:</b> Knowledge of Viruses and Mycoplasma structure, classification. and reproduction and its staining technique and significance.</p> <p><b>CO28:</b> Transmission and multiplication of plant viruses.</p> <p><b>CO29:</b> Study the methods of plant disease management after studying symptoms of plant diseases.</p> <p><b>CO30:</b> Differentiate between casual organisms of Bacteria, virus, mycoplasma and fungal disease</p>
Class	Course name	Course code	Course outcomes
B.Sc. I Year	Paper-III(Palaeobotany, Pteridophytes and Gymnosperms)	1023	<p><b>CO21:</b> Figure out the stellar system in pteridophytes with broader classification of them</p> <p><b>CO22:</b> Explain fossil plants, their formation process, types and Geological time Scale.</p> <p><b>CO23:</b> Describe the Occurrence, Structure and life history of <i>Psilotum and lycopodium</i>.</p> <p><b>CO24:</b> Explain the Occurrence, Structure and life history of Equisetum.</p> <p><b>CO25:</b> Describe the origin of Seed Habit</p> <p><b>CO26:</b> Differentiate between Homospory and Heterospory.</p> <p><b>CO27:</b> Describe the Occurrence, Structure of Gymnosperms</p> <p><b>CO28:</b> Describe the Occurrence, Structure and life history of <i>Cycas</i></p> <p><b>CO29:</b> Describe the Occurrence, Structure and life history of <i>Pinus and Ephedra</i>.</p> <p><b>CO30:</b> Explain recent advances in conifer somatic embryogenesis</p>
Class	Course name	Course code	Course outcomes

B.Sc. I Year	Practical	1024	<b>CO15:</b> Prepare temporary mount of given syllabus Plant materials
			<b>CO16:</b> Perform Gram Staining of Bacteria
			<b>CO17:</b> Collection of gymnosperms male and female reproductive structures
			<b>CO18:</b> Perform fossil plant extraction techniques
			<b>CO19:</b> Slide preparation of Bryophytes
			<b>CO20:</b> File/Record preparation of the prepared slide and spots
			<b>CO21:</b> Exercise on seed formation and seed habit.
Class	Course name	Course code	Course outcomes
B.Sc. II Year	Paper-I(Taxonomy and Embryology of Angiosperms)	2021	<b>CO21:</b> Describe the concept of species, genus and family.
			<b>CO22:</b> Explain herbarium techniques and classification of Bentham and Hooker, Hutchinsion
			<b>CO23:</b> Describe the ICBN rule and range of floral structure.
			<b>CO24:</b> Mention of Floral variations and economic importance of economically important families like <i>Malvaceae, Papavaraceae, Rutaceae Apiaceae etc.....</i>
			<b>CO25:</b> Mention of Floral variations and economic importance of Economically important families like <i>Asteraceae, Lamiaceae, Poaceae etc.....</i>
			<b>CO26:</b> Mention of Floral variations and economic importance of Economically important families like <i>Solanaceae, Acanthaceae etc.....</i>
			<b>CO27:</b> Write about Classical theory of Flowering
<b>CO28:</b> Differentiate between Microsporogenesis and Megasporogenesis.			

			<b>CO29:</b> Explain about types of Endosperms and Embryo.
			<b>CO30:</b> Differentiate and explain between polyembryony and <i>in vitro</i> Fertilization.
Class	Course name	Course code	
B.Sc. II Year	Paper-II (Anatomy of Angiosperms, Economic Botany and Ethnobotany)	2022	<b>CO21:</b> Describe meristem organization theories
			<b>CO22:</b> Cell wall , Explanation in detail
			<b>CO23:</b> Description of Tissue and Tissue system.
			<b>CO24:</b> Write about Secretory structures and Periderm.
			<b>CO25:</b> Differentiate between primary and secondary structures in root, shoot and leaves.
			<b>CO26:</b> Diagrammatic explanation of Anamolous secondary growth
			<b>CO27:</b> Study of the Economic importance of Cereal, Fibres, Wood, Paper and Sugar Producing Crops.
			<b>CO28:</b> Study of the Economic importance of Medicinal, Beverages, Spices and Oil Producing Crops.
			<b>CO29:</b> Study Aim and Objectives of Ethnobotany
			<b>CO30:</b> After study Description of Ethnobotanical point of view as food, fodder and Medicine with reference to Rajasthan.
Class	Course name	Course code	
B.Sc. II Year	Paper-III (Cytogenetics, plant Breeding, Evolution and Biostatistics)	2023	<b>CO19:</b> Study of cell and its organelles
			<b>CO20:</b> Study of Ergastic substances and chromatin and its types
			<b>CO21:</b> Cell Division Study, its type and Significance

			<b>CO22:</b> Explanation of Gene mapping and sex determination
			<b>CO23:</b> Study of Mendels law and Cytoplasmic inheritance
			<b>CO24:</b> Description of Plant and mutation Breeding
			<b>CO25:</b> Study of Plant Breeding and its technique
			<b>CO26:</b> Study of green revolution and germplasm conservation
			<b>CO27:</b> Explain about Evolutionary theories
Class	Course name	Course code	
B.Sc. II Year	Practical	2024	<b>CO15:</b> Prepare temporary mount of Anatomical slides
			<b>CO16:</b> Exercise on Mendel law by seeds
			<b>CO17:</b> Field Trip for flower study
			<b>CO18:</b> Prepare of Herbarium sheets
			<b>CO19:</b> Collection of economically important Plant Materials according to syllabus
			<b>CO20:</b> Slide show of Embryology experiment
			<b>CO21:</b> Exercise on Onion root tip for Cell Division
Class	Course name	Course code	
B.Sc. III Year	Paper-I(Environmental Biology and Phytogeography)	3021	<b>CO22:</b> Explain of physical and topographic factors on plant growth
			<b>CO23:</b> Study Plant Population, plant succession and its types.
			<b>CO24:</b> Explain Ecosystem concept, food chain and Food web.
			<b>CO25:</b> Study of Air, Water and Land Pollution.

			<b>CO26:</b> Study of National Parks, Sanctuaries and Chipko Movement
			<b>CO27:</b> Describe Biodiversity and its conservation.
			<b>CO28:</b> Describe Morphological, physiological and Anatomical adaptations of Hydrophytes.
			<b>CO29:</b> Describe Morphological, physiological and Anatomical adaptations of Xerophytes.
			<b>CO30:</b> Describe Morphological, physiological and Anatomical adaptations of Halophytes.
			<b>CO31:</b> Write down Phytogeography, Aim and Objectives
			<b>CO32:</b> Study Phytogeographical Regions of India and World.
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-II(Plant Physiology and Biochemistry)	3022	<b>CO19:</b> Explain cell membrane model, structure and Function
			<b>CO20:</b> Study Photosynthesis process
			<b>CO21:</b> Differentiate between C3 and C4 Plants
			<b>CO22:</b> Study Enzymes, characters and functions
			<b>CO23:</b> Study Respiration process
			<b>CO24:</b> Explain Glycolysis, Krebs cycle
			<b>CO25:</b> Study Plant Growth Regulators Auxin, Ethylene
			<b>CO26:</b> Differentiate between Auxin, Cytokinin, Gibberlin
			<b>CO27:</b> Study Principles of Instruments Centrifuge, colorimeter
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Paper-III(Molecular	3023	<b>CO21:</b> Study Bacterial Genome

	Biology and Biotechnology)		<p><b>CO22:</b> Explain Recombinant DNA Technology</p> <p><b>CO23:</b> Study DNA, RNA, its Types</p> <p><b>CO24:</b> Describe Central dogma, Genetic code and Operon model</p> <p><b>CO25:</b> Write down History of Plant tissue culture, its tools and techniques.</p> <p><b>CO26:</b> Study various tools like Oven, LAF, Autoclave.</p> <p><b>CO27:</b> Explain Explant, types, callus</p> <p><b>CO28:</b> Study single cell culture, Protoplast culture</p> <p><b>CO29:</b> Explain Gene transfer methods with reference to <i>Agrobacterium</i></p> <p><b>CO30:</b> Study Alkaloids and Bioreactor's.</p>
Class	Course name	Course code	Course outcomes
B.Sc. III Year	Practical	3024	<p><b>CO10:</b> Perform Exercise on LAF</p> <p><b>CO11:</b> Perform self-Instrument Handling</p> <p><b>CO12:</b> Preparation of Culture media</p> <p><b>CO13:</b> Prepare Explant, Potato Osmoscope, protein tests</p> <p><b>CO14:</b> Performing microtechniques</p>

## Faculty of Commerce

### Programme Outcomes for M.Com. Programme [Accountancy&Business Statistics]:

Students are expected to achieve the following objectives by end the programme.

PO1	To make students more proficient in areas like costing, accounting, taxation, GST.
PO2	To understand the practical aspects of above subjects through practical exams.
PO3	To prepare students for further out- country professional courses and develop job skills.
PO4	Develop research related skill, scientific temper and accounting and professional ethics.

### Course Outcomes:

After completion of the course the students will be able:

S. No.	Course	Course Code	Course Outcome
PO1	Advanced Accounting	4801	<ul style="list-style-type: none"> <li>● To impart the knowledge of various accounting concepts .</li> <li>● To inculcate the knowledge about accounting procedure, methods and techniques like amalgamation , liquidation, consolidated p&amp;L a/c and balance sheet, international accounting standards.</li> <li>● Develop practical approach to accounts in reference like Banking Companies,Electricity Companies.</li> </ul>
PO2	Advanced Cost and Management Accounting	4802	<ul style="list-style-type: none"> <li>● To impart the knowledge of advanced cost related concepts ie cost base pricing decisions and decision making in various production level and conditions.</li> <li>● To understand Activity Based Costing and Cost Accounting Standards.</li> <li>● To understand accounting procedure for standard cost and target costing.</li> <li>● To understand measuring shareholders wealth , computation of EVA.</li> </ul>
PO3	Advanced Auditing	4803	<ul style="list-style-type: none"> <li>● To acquaint students about the new</li> </ul>



			<p>concepts and types of audit.</p> <ul style="list-style-type: none"> <li>● To understand audit under provisions of income tax act.</li> <li>● To understand procedure of banks, insurance companies and cooperative societies.</li> <li>● To understand non financial audit like management audit, cost audit, environment audit and social audit.</li> <li>● To impart the knowledge about International Auditing and Assurance Standard Board and auditing standards in India.</li> </ul>
PO4	Tax Laws and Planing	4804	<ul style="list-style-type: none"> <li>● To understand filing return of income and assessment procedure.</li> <li>● To understand provisions tax deducted at source, advance payment of tax and tax planning through HUF and Partnership firms.</li> <li>● To understand tax planning in respect of capital gain ,savings and investments.</li> <li>● To understand tax planning for Non Resident and New business.</li> </ul>
PO5	Research Methodology and Quantitative Techniques	4805	<ul style="list-style-type: none"> <li>● To understand the research and research activities.</li> <li>● To get the idea of research process and to know the utilization of library and computer in research work.</li> <li>● To understand the utilization of data with various quantitative techniques like z test , t test chi- square test and ANOVA.</li> <li>● To understand factor analysis, cluster analysis, conjoint analysis, discriminant analysis decomposition analysis and structural equation modeling.</li> </ul>
PO6	International Financial Reporting Standards	5801	<ul style="list-style-type: none"> <li>● To understand meaning and scope of IFRS.</li> <li>● To compliance with standards,IAS framawork and procedure for issuing standards.</li> <li>● To impart the knowledge of various IFRS.</li> </ul>

PO7	Goods and Service Tax	5802	<ul style="list-style-type: none"> <li>● To develop the knowledge about Goods &amp; Service Tax Act, basics of GST.</li> <li>● To understand important terms of CGST/SGST and IGST.</li> <li>● To understand the procedure of registration under GST Act and terms of Input Tax Credit and Composition Scheme.</li> <li>● To understand important terms and definition under the Customs Act 1962.</li> </ul>
PO8	Government Accounting	5803A	<ul style="list-style-type: none"> <li>● To get knowledge the procedure and rules of accounting in government sector.</li> <li>● To understand accounting for governmental funds, revenue and expenditure.</li> <li>● To get knowledge in respect of indian government accounting standards(IGAS).</li> <li>● To understand elementary knowledge of indian government financial reporting standards(IGFRS).</li> </ul>
PO9	Ethics in Accounting	5803B	<ul style="list-style-type: none"> <li>● To understand the meaning , concept and sources of ethics.</li> <li>● To understand need and significance of ethics in business and accounting.</li> <li>● To understand corporate governance and corporate social responsibility.</li> <li>● To understand work ethics, swadharma, Gandhian Approach, Theory of Trusteeship, Karma Yoga and self management concepts in Bhagvadgita.</li> <li>● To get knowledge of dark side of business and professional codes of conduct of ICAI and AICPA.</li> </ul>
PO10	IFRS for Small and Medium sized Entities	5803C	<ul style="list-style-type: none"> <li>● To get knowledge in respect of overviews and development of IFRS for Small and Medium sized Entities.</li> </ul>
PO11	Computer Application in Accountancy and Statistics	5803D	<ul style="list-style-type: none"> <li>● To get the knowledge of basics of excel worksheet.</li> <li>● To get knowledge of excel financial function, tally ERP accounting package and SPSS package.</li> </ul>
PO12	Practical Taxation	5803E	<ul style="list-style-type: none"> <li>● To get practical knowledge in respect of filing returns and ITR forms.</li> </ul>

			<ul style="list-style-type: none"> <li>● To understand registration procedures for different assesses, PAN no. and documentation, TAN.</li> <li>● To understand R - VAT procedure.</li> </ul>
PO13	Advanced Financial Management	5803F	<ul style="list-style-type: none"> <li>● To understand time value of money, compounding techniques, discounting techniques.</li> <li>● To understand capital budgeting under risk and uncertainty, business valuation and corporate restructuring.</li> <li>● To understand in respect of value of firm and capital structure and financial derivatives.</li> </ul>
PO14	Security Analysis and Portfolio Management	5803G	<ul style="list-style-type: none"> <li>● To get knowledge about investment and equity research.</li> <li>● To understand technical analysis and technical price forecasting various indicators. Difference between fundamental and technical analysis.</li> <li>● To understand efficient market theory, the efficient market hypothesis and portfolio management.</li> </ul>
PO15	Advanced Statistical Analysis	5803H	<ul style="list-style-type: none"> <li>● To get advanced knowledge of statistics like moment and kurtosis, probability, interpolation and extrapolation.</li> <li>● To understand interpretation of statistical data, statistical decision theory and statistical quality control.</li> <li>● To get knowledge non parametric tests like sign test, run test, signed rank test, kruskal wallis test, median test.</li> <li>● To understand partial and multiple correlation and regression.</li> </ul>
PO16	Operation Research	5803I	<ul style="list-style-type: none"> <li>● To understand meaning models and techniques.</li> <li>● To understand transportation and assignment problem, investment analysis and breakeven analysis.</li> <li>● To understand game theory, data envelopment analysis, queuing theory and network analysis.</li> </ul>
PO17	Dissertation	5803J	<ul style="list-style-type: none"> <li>● To get knowledge in depth a particular topic candidate shall write a dissertation</li> </ul>

			under supervision of the faculty member.
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### **Programme specific Outcomes for B.Com (Accountancy and Business Statistics)**

After completion of graduation the students will be able:

PSO1	To understand various concepts of Accounting.
PSO2	To prepare final accounts and financial statements.
PSO3	To prepare various financial statements and reports for analysis of the financial condition of a business.
PSO4	To understand statistical methods and techniques.

### **Course Outcomes**

After completion of course the student will be able:

Class	Course Name	Course code	Course Outcome
B.Com. I	Financial Accounting	1802	<ul style="list-style-type: none"> <li>● To understand the basic concept of financial accounting in business world</li> <li>● To understand accounting standards objects and functions,</li> <li>● To understand various types of accounts.</li> </ul>
B.Com. I	Business Statistics	1803	<ul style="list-style-type: none"> <li>● To understand the basic concepts of Statistics.</li> <li>● To familiar with application of statistics in business.</li> <li>● To understands statistical methods and techniques.</li> </ul>
B.Com. II	Income Tax	2801	<ul style="list-style-type: none"> <li>● To understand the basics of Income Tax Act.</li> <li>● To understand computation of income under various heads of income.</li> <li>● To understand computation of gross total income and tax liability.</li> </ul>

B.Com. II	Corporate Accounting	2802	<ul style="list-style-type: none"> <li>● To acquaint the student with knowledge of corporate policies of investments.</li> <li>● To develop the knowledge about issue ,forfeiture, re-issue and redemption of shares</li> <li>● To understand the procedure of preparation of final accounts of companies.</li> <li>● To understand accounting for amalgamation, internal reconstruction schemes,consolidated balance sheet and profit and loss accounts .</li> </ul>
B.Com. II	Cost Accounting	2803	<ul style="list-style-type: none"> <li>● To know and understand the basic concepts of Cost Accounting.</li> <li>● To understand the elements of cost and classification of cost,</li> <li>● To prepare the cost sheet and statement of cost</li> <li>● To apply the methods of cost control and technique of costing.</li> <li>● To understand standard and marginal costing.</li> </ul>
B.Com. III	Management Accounting	3801	<ul style="list-style-type: none"> <li>● To understand Management Accounting concepts and applications.</li> <li>● To understand financial statements analysis.</li> <li>● To know and understand analysis of working capital , ratio analysis ,cash flow and funds flow.</li> <li>● To understand budgeting ,budgetary control and business forecasting.</li> </ul>
7B.Com. III	Auditing	3802	<ul style="list-style-type: none"> <li>● To imparting the knowledge about the principles and methods of auditing.</li> <li>● To understand audit process and internal check system.</li> <li>● To understand the procedure of audit of limited companies and investigation.</li> <li>● To understand recent trends of audit- cost audit, tax audit, management audit, audit standards.</li> </ul>

B.Com. III	Goods and Service Tax	3803-A	<ul style="list-style-type: none"> <li>● To develop the knowledge about Goods and Service Tax Act , basics of GST.</li> <li>● To understand important terms of CGST/SGST and IGST.</li> <li>● To understand term of input tax credit and composition scheme.</li> <li>● To understand important terms and definition under the Customs Act 1962.</li> </ul>
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### Department of Business Administration

#### Programme Specific Outcome (B.Com.)

1. To know the admirative activities of business organization.
2. To understand the role of business organization.
3. To enhance and perform the skill required as an employee.
4. To analyzed the functions of business organization.

### COURSE OUTCOME

Class	Course	Course Code	Course Outcome
<b>B.Com. I year</b>	Principles of Business Management	1821	<p>1.This paper familiarizes the students with the basic concepts of management in order to aid in understanding of how an organization functions, and in understanding the complexity and wide variety of issues managers face in today’s business firms.</p> <p>2. This paper also serves as a basis for students who prefer to emerge as successful managers.</p>
<b>B.Com. I year</b>	Business Regulatory Framework	1822	<p>1. Students can get the knowledge in the formation of a contract and the essential elements for creating a contract.</p> <p>2. They can learn about the various common defects in a contract which affects its validity.</p>
<b>B.Com. II year</b>	Company Law and Secretarial practice	2821	<p>1. Different kind of corporate entities that are permitted to be set up</p> <p>2. Company incorporation and rules and procedures for running a company</p> <p>3. Rights and obligations of shareholders and other stakeholders including employees and creditors</p> <p>4. Winding up of a company and its procedures</p>

<b>B.Com. II year</b>	Marketing Management	2822	<ol style="list-style-type: none"> <li>1. The student will gain the broad understanding of marketing management concepts, competition and marketing strategies.</li> <li>2. The course provide an overview of competitive strategies, product and pricing strategies that will form the base for the advance application-based studies.</li> </ol>
<b>B.Com. III year</b>	Human Resource Management	3821	<ol style="list-style-type: none"> <li>1. This course will create Knowledge and understanding of Human resource management and helps the students to gain Knowledge and skills needed for success full planning and to become human resource professionals</li> </ol>
<b>B.Com. III year</b>	Business Communication & Soft Skills	3822	<ol style="list-style-type: none"> <li>1. The students will be able to enhance their listening, speaking, reading and writing skill in order to meet the challenges of the business world</li> <li>2. The students would successfully learn to identify and overcome barriers to communication</li> </ol>

## FACULTY OF ARTS

### Program Outcomes (POs) for Bachelor of Arts (B.A.) Programme

PO1:	The B.A. graduates will be familiar with the social, economical, historical, political thinking and literature of Hindi and English. Develop knowledge of theories, concepts, and research methods in humanities, history, social sciences and political philosophies of ancient, medieval and modern thinkers. The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.
PO2:	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough. Understand the world, their country, Democracy and its functioning, its economics, their society, as well as themselves and have awareness of ethical problems, social rights, Rights and Duties of the citizens, values and responsibility to the self and to others.
PO3:	Develop knowledge of theories, concepts, and research methods in humanities, history, social sciences and political philosophies of ancient, medieval and modern thinkers
PO4:	With human values framing the base to deal with various problems in life with courage and humanity.
PO4:	Develop competency in literary works on the basis of the foundation laid by the scholars.

## Department of Hindi

### Program Specific Outcomes (PSOs) for Bachelor of Arts (B.A.) Hindi Programme

PSO1:	हिंदी साहित्य के प्राचीन काव्य का महत्व समाज में कवियों का स्थान समझते हुए उनके काव्य का प्रभाव जानना और समझना
PSO2:	नाटक तथा आधुनिक निबंध के विभिन्न सोपानो को समझकर हिंदी साहित्य में दोनों के महत्व को जानना और समाज में इस साहित्य के प्रभाव को चिन्हित करना।
PSO3:	भक्ति कालीन काव्य तथा रीतिकालीन काव्य की विशेषताओं प्रवृत्तियों और कवियों के समाज पर प्रभाव को जानना तथा तत्कालीन समाज को कविता के माध्यम से समझना।
PSO4:	कहानी का साहित्य में स्थान तय करते हुए विभिन्न लेखकों द्वारा लिखित कहानियों का प्रभाव तत्कालीन समाज और आधुनिक समाज पर रेखांकित करना
PSO5:	आधुनिक काव्य काव्य के विविध सोपानो तथा देश के स्वतंत्रता आंदोलन में इन कवियों के काव्य के महत्व को पहचानते हुए साहित्य के महत्व को स्वीकार करना



PSO4:	महत्वपूर्ण निबंध कारों के निबंधों का प्रभाव विद्यार्थियों के लिए पहचानना हिंदी उपन्यास और एकांकी के तत्वों को जानना तथा उनका तात्त्विक विश्लेषण समझना
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Course Outcomes (PSOs) for Bachelor of Arts (B.A.) Hindi.

Class	Course name	Course code	Course outcomes
B.A. I Year	Paper-I	1381	<b>CO1:</b> अयोध्या सिंह उपाध्याय एवं मैथिलीशरण गुप्त की संकलित कविताओं का अध्ययन कर उनका आलोचनात्मक विश्लेषण करना
			<b>CO2:</b> जयशंकर प्रसाद और सुमित्रानंदन पंत की कविताओं का नया वादी दृष्टिकोण देखना तथा उन्हें जानना
			<b>CO3:</b> महादेवी वर्मा और सूर्यकांत त्रिपाठी निराला के पाठ्यक्रम में संकलित अंश का विश्लेषण कर उनके छायावादी और ओजपूर्ण कविताओं को चिन्हित करना।
			<b>CO4:</b> दिनकर और आगे के दृष्टिकोण को जानना और समझना साथ ही राष्ट्रवादी और प्रयोगात्मक दोनों विचारों को आत्मसात करना
			<b>CO5:</b> हिंदी साहित्य के इतिहास आधुनिक कविता के विभिन्न स्थानों का ज्ञान तथा छंद और अलंकार का उदाहरण सहित जानकारी होना
Class	Course name	Course code	Course outcomes
B.A. I Year	Paper-II	1382	<b>CO1:</b> अलख आजादी की नाटक का तत्व मुलक विश्लेषण तथा मुख्य उद्देश्य को विद्यार्थियों को समझना
			<b>CO2:</b> बनाम लार्ड कर्जन करुणा साहित्यकार की आस्था छायावाद देवदारु गिलहरी निबंध 2 से की आलोचनात्मक विश्लेषण कर उसे समझना
			<b>CO3:</b> आधुनिक निबंध संकलित साहित्य की आत्मा हुई थी उसी के सामाजिक मूल्य लंबी कविता कांति की पुकार

			और विद्याचरण शुक्ल की समीक्षा तथा आलोचनात्मक अध्ययन करना।
			<b>CO4:</b> हिंदी नाटक के और रंगमंच के विकास को जानना और समझना।
			<b>CO5:</b> हिंदी निबंध का विकास और उसके प्रमुख उद्देश्य को समझना
Class	Course name	Course code	Course outcomes
B.A. II Year	Paper-I काव्य	2381	<b>CO1:</b> केशवदास मतिराम और विकारी के काव्य की व्याख्या तथा आलोचनात्मक प्रश्नों का अध्ययन करना और समझना
			<b>CO2:</b> सेनापति पद्माकर के रीतिकालीन दृष्टिकोण को जानना और समझना
			<b>CO3:</b> भूषण कवि के राष्ट्रवाद तथा घनानंद कवि के रीतिमुक्त काव्यधारा को जानना समझना तथा उसे आत्मसात करना
			<b>CO4:</b> देव बिहारी जगन्नाथदास रत्नाकर के काव्य की विशेषताओं को जानते समझते हुए उसकी व्याख्या को आत्मसात करना
			<b>CO5:</b> रीतिकालीन काव्य की प्रवृत्तियां धाराओं और उसकी विशेषताओं को समझना
Class	Course name	Course code	Course outcomes
B.A. II Year	Paper-II गद्य	2382	<b>CO1:</b> आधुनिक गद्य की विविध विधाओं में संकलित प्रथम तीन निबंधों की व्याख्या तथा उनका आलोचनात्मक अध्ययन करना
			<b>CO2:</b> मेरी जन्मभूमि कबीर साहब से भेंट सीमा रेखा तथा यात्रा रोमांस आदि रचनाओं की व्याख्या तथा उनके आलोचनात्मक अध्ययन को समझना।

			<p><b>CO3:</b> कथा भारती में संकलित कफन आकाशदीप उदाराम बेल की बात पर या सुखा दी कहानियों का अध्ययन तात्विक विश्लेषण के साथ आत्मसात करना</p> <p><b>CO4:</b> जैनेंद्र आकाशदीप शरणदाता रंगे राघव आदि की काव्य का अध्ययन करना और जाना</p> <p><b>CO5:</b> हिंदी गद्य की विविध विधाओं का परिचय और विकास के साथ ही हिंदी कहानी के विकास और तत्वों का अध्ययन करना</p>
Class	Course name	Course code	
B.A. III Year	Paper-Iकाव्य	3381	<p><b>CO1:</b> हिंदी के भक्ति कालीन काव्य में कबीर जायसी का स्थान तय करते हुए उनके काव्य का अध्ययन और आलोचना को समझना</p> <p><b>CO2:</b> सूरदास तुलसीदास का हिंदी साहित्य में महत्व किस करते हुए उनके काव्य की व्याख्या और उनके आलोचनात्मक अध्ययन को जानना</p> <p><b>CO3:</b> सुंदर दास और मीराबाई का भक्ति काल में स्थान तय करते हुए उनके काव्य की व्याख्या और अध्ययन करना ढोला मारु का दोहा का समय निश्चित करते हुए उसका हिंदी साहित्य में महत्व स्थापित करना</p> <p><b>CO4:</b> मैथिली शरण गुप्त द्वारा रचित खंडकाव्य का अध्ययन करते हुए व्याख्या एवं आलोचना करना</p> <p><b>CO5:</b> भक्ति काल की प्रवृत्तियां सामान्य विशेषताएं और प्रमुख कवियों का अध्ययन कर समाज में उनके महत्व को चिन्हित करना</p>
Class	Course name	Course code	
B.A. III Year	Paper-II गद्य	3382	<p><b>CO1:</b> हिंदी साहित्य में निबंध के स्थान को तय करते हुए निबंध चयनिका में प्रस्तुत निबंधों का अध्ययन कर उनका आलोचनात्मक विश्लेषण करना</p>

			<b>CO2:</b> आकाश एक छत उपन्यास की व्याख्या करते हुए उसे सामाजिक स्थिति में महत्व को जानना तथा उसकी संवेदना को समझना
			<b>CO3:</b> अभिनव 6 एकांकी में संकलित से 6 एकांकियों का अध्ययन कर उस की आलोचनात्मक व्याख्या तथा तात्विक विशेषण करना
			<b>CO4:</b> उपन्यास के तत्व को समझते हुए उसके विकास का अध्ययन करना
			<b>CO5:</b> एकांकी के तत्व को समझते हुए उसमें रंग मंच एवं संकलन त्रय का महत्व समझना।

#### Programme Specific Outcome (Hindi)

M.A. हिंदी पाठ्यक्रम पूरा करने पर छात्र निम्न क्षमताओं में सक्षम होंगे

1. हिंदी की मूल अवधारणा और उत्पत्ति को समझना .
2. राष्ट्रभाषा हिंदी का महत्व समझना
- 3 हिंदी साहित्य के विभिन्न पहलुओं को समझने के साथ नई विधा को समझना
- 4 विभिन्न क्षेत्रों की हिंदी पारिभाषिक शब्दावली को समझना
- 5 हिंदी साहित्य की दार्शनिक विधियों को समझना
6. अतीत से वर्तमान तक हिंदी की अवधारणा का मूल्यांकन करना।

#### Course Outcomes (HINDI ):

SR. NO.	COURS	COURSE CODE	COURSE OUTCOMES
1	MA.pre. HINDI Paper 1 हिंदी साहित्य का इतिहास (प्राचीन एवं	4384	1. हिंदी साहित्य के इतिहास लेखन परंपरा, इतिहास दर्शन, स्रोत सामग्री की जानकारी ले सकेंगे ,2. हिंदी साहित्य का काल विभाजन, सीमा निर्धारण नामकरण सभी कालों की पृष्ठभूमि को विद्यार्थी जान सके तथा समझ सकेंगे।

	मध्यकाल)		<p>3. हिंदी साहित्य के स्वर्ण काल भक्ति काल के स्वरूप उसके भेद निर्गुण -सगुण ,ज्ञानाश्रयी- प्रेमाश्रयी शाखा के कवियों - कबीर,जायसी, सूर, तुलसी, मीरा ,रसखान के सुंदर भक्ति काव्य को जान समझ सकेंगे।</p> <p>4.भारतीय संस्कृति और लोक जीवन के तत्वों के साथ जान पहचान सकेगे।</p> <p>5 .अष्टछाप के कवि उसके गीत परंपरा, कृष्ण काव्य, राम काव्य ,में निहित परमात्मा के प्रेम तत्व को सामान्य जनजीवन में धार्मिक समन्वय को तत्कालीन समाज में समझ सकेंगे। 6.रीतिकाल की ऐतिहासिक पृष्ठभूमि काल सीमा निर्धारण नामकरण 'दरबारी संस्कृति 'लक्षण ग्रंथों की परंपरा समझ सकेंगे।</p>
2	MA.pre. HINDI Paper 1	4382	<p>1. आधुनिकता का अर्थ -स्वरूप 1857 की क्रांति ,पुनर्जागरण, नया आर्थिक सामाजिक ढांचा ,सभी को काव्य के माध्यम से समझना ,</p> <p>2.भारतेंदु युग तथा द्विवेदी युग के प्रमुख कवि और उनकी प्रमुख प्रवृत्तियों को जानना 3.छायावाद, प्रगतिवादी काव्य के प्रमुख कवि जयशंकर प्रसाद ,पंत, निराला महादेवी की कविता को समझना</p> <p>3 हिंदी गद्य की प्रमुख विधाओं का इतिहास परिचय और विकास उपन्यास कहानी नाटक तथा अन्य विधाओं को समझना। उसके स्वरूप तथा 4.उसके विकास को विद्यार्थी समझ सके।5.हिंदी आलोचना के उद्भव और विकास जाना।</p> <p>6 .प्रमुख आलोचक रामचंद्र शुक्ल हजारी प्रसाद द्विवेदी के साहित्य को पढ़ें तथा समझ सके उर्दू साहित्य का संक्षिप्त परिचय हिंदी साहित्य के विकास में पत्र-पत्रिकाओं का योगदान स्वतंत्रता आंदोलन में क्या रहा यह विद्यार्थी जान सके।</p>
3	तृतीय प्रश्न-	4383	<p>1. साहित्य की परिभाषा, तत्व और उद्देश्य को समझना ।</p>

	पत्र: साहित्य शास्त्र		<p>2. भारतीय साहित्य सिद्धांत- रस ,अलंकार, वक्रोक्ति, रस निष्पत्ति, साधारणीकरण को जानना तथा पाश्चात्य सिद्धांत को विद्यार्थी समझ सके ।</p> <p>4. आधुनिक हिंदी की समीक्षा के प्रमुख रूप शास्त्रीय और नई समीक्षा के रूप को पहचान सके। 5.मिथक, फंतासी कल्पना प्रतिबिंब आदि का काव्य में वर्तमान स्वरूप विद्यार्थी समझ सके।</p>
4	चतुर्थ प्रश्नपत्र: आधुनिक काव्य	4384	<p>1.साकेत, कामायनी, कुरुक्षेत्र जैसे महाकाव्यों को भारतीय संस्कृति के परिपेक्ष में विद्यार्थी जानें तथा इनके महत्व को समझे ।</p> <p>2. अंधेरे में तथा असाध्य वीणा जैसी आधुनिक कविताएं वर्तमान परिपेक्ष में क्या महत्व रखती है इसे विद्यार्थी समझ सके ।3 .आधुनिक कविता की प्रमुख प्रवृत्तियां और उनके कवि और कविता को विद्यार्थी समझ सकेंगे।</p>
5	पंचम प्रश्नपत्र: कथा साहित्य	4385	<p>1.गोदान ,बाणभट्ट की आत्मकथा ,शेखर एक जीवनी तथा स्वामी जैसे उपन्यासों का अध्ययन कर सामाजिक झलक को महसूस कर विद्यार्थी समझ सकेंगे।</p> <p>2. कथा दशक में संकलित कहानियों के माध्यम से मनुष्य के और समाज के स्वरूप को पहचान सकेंगे।</p> <p>3. हिंदी कहानी और उपन्यास की विकास यात्रा को जान सकेंगे।</p>
6	MA FINAL HINDI पेपर -6:	5381	<p>1. प्राचीन काव्य और रासोग्रंथों का अध्ययन कर काव्य के स्वरूप को समझ सकेंगे</p> <p>2.भक्तिकालीन कवि सूर और तुलसी के काव्य के स्वरूप और काव्यात्मक विशेषताओं को विद्यार्थी पहचान सकेंगे।</p> <p>3.बिहारी तथा घनानंद के काव्य में निहित काव्य सौंदर्य को समझ सकें।</p> <p>4. प्राचीन और मध्यकालीन काव्य के सामाजिक स्वरूप और काव्यसौंदर्य को विद्यार्थी पहचान सकेंगे</p>

7	पेपर-7: भाषा विज्ञान	5382	<p>1. भाषा ,बोली, विभाषा ,भाषा के प्राकृतिक रूप और उसके विकास तथा परिवर्तन की दिशाओं की जानकारी विद्यार्थी पहचान सके।</p> <p>2. ध्वनि विज्ञान ,रूप विज्ञान ,अर्थ विज्ञान आदि के आधार परिवर्तन के कारण तथा स्वरूप को गंभीरता से पहचानना। 3.विभिन्न लिपियों का परिचय विद्यार्थियों को समझना।</p>
8	पेपर-8: नाटक और रंगमंच	5383	<p>1.प्रमुख नाटककारों द्वारा लिखे गए मुख्य नाटकों का विद्यार्थियों के द्वारा अध्ययन करना।</p> <p>3. जयशंकर प्रसाद तथा मोहन राकेश के लिखे नाटकों का अध्ययन करना।</p> <p>4.विद्यार्थी रंगमंच का विकास तथा समाज के लिए मनोरंजन में रंगमंच के महत्व समझ सकेंगे।</p>
9	पेपर-9: लोक साहित्य	5384	<p>1. लोक साहित्य के अभिप्राय ,लोकमानस और जीवन से उसके संबंध को समझना।</p> <p>2. मनोरंजन में लोक साहित्य के महत्व और उद्देश्य को विद्यार्थी समझ सकेंगे।</p>
10	पेपर-10: प्रयोजनमूलक हिंदी	5385	<p>1.राजभाषा हिंदी के स्वरूप, संपर्क भाषा, संविधानिक स्थिति तथा पारिभाषिक शब्दावली का ज्ञान विद्यार्थियों को हो सकेगा।</p> <p>2.जनसंचार के माध्यम (रेडियो T.V.) के अनुसार नहीं साहित्य का निर्माण कर सकेंगे।3.कंप्यूटर तथा इंटरनेट की तकनीक को विद्यार्थी आधुनिक आवश्यकता के अनुसार उपयोग सकेंगे</p>

प्राचीन एवं मध्यकालीन काव्य

1. प्राचीन काव्य और रासोग्रंथों का अध्ययन कर काव्य के स्वरूप को समझ सकेंगे
- 2.भक्तिकालीन कवि सूर और तुलसी के काव्य के स्वरूप और काव्यात्मक विशेषताओं को

विद्यार्थी पहचान सकेंगे।

3. बिहारी तथा घनानंद के काव्य में निहित काव्य सौंदर्य को समझ सकें।

4. प्राचीन और मध्यकालीन काव्य के सामाजिक स्वरूप और काव्यसौंदर्य को विद्यार्थी पहचान सकेंगे

पेपर-7: भाषा विज्ञान

1. भाषा ,बोली, विभाषा ,भाषा के प्राकृतिक रूप और उसके विकास तथा परिवर्तन की दिशाओं की जानकारी विद्यार्थी पहचान सके।

2. ध्वनि विज्ञान ,रूप विज्ञान ,अर्थ विज्ञान आदि के आधार परिवर्तन के कारण तथा स्वरूप को गंभीरता से पहचानना। 3. विभिन्न लिपियों का परिचय विद्यार्थियों को समझना।

पेपर-8: नाटक और रंगमंच

1. प्रमुख नाटककारों

द्वारा लिखे गए मुख्य नाटकों का विद्यार्थियों के द्वारा अध्ययन करना।

3. जयशंकर प्रसाद तथा मोहन राकेश के लिखे नाटकों का अध्ययन करना।

4. विद्यार्थी रंगमंच का विकास तथा समाज के लिए मनोरंजन में रंगमंच के महत्व समझ सकेंगे।

पेपर-9: लोक साहित्य

1. लोक साहित्य के अभिप्राय ,लोकमानस और जीवन से उसके संबंध को समझना।

2. मनोरंजन में लोक साहित्य के महत्व और उद्देश्य को विद्यार्थी समझ सकेंगे।

पेपर-10: प्रयोजनमूलक हिंदी

1. राजभाषा हिंदी के स्वरूप, संपर्क भाषा, संविधानिक स्थिति तथा पारिभाषिक शब्दावली का ज्ञान विद्यार्थियों को हो सकेगा।

2. जनसंचार के माध्यम (रेडियो T.V.) के अनुसार नहीं साहित्य का निर्माण कर

सकेंगे। 3. कंप्यूटर तथा इंटरनेट की तकनीक को विद्यार्थी आधुनिक आवश्यकता के अनुसार उपयोग सकेंगे



## Department of Political Science

Programme Specific Outcome (Political Science):

**PSO1** Knowledge about political system of the nation.

**PSO2** Study of national and international political affairs.

**PSO3** Study from competitive examination point of view.

**PSO4** Understanding the government mechanism, its functions, duties and responsibilities.

**PSO5** Creating appropriate and efficient political leaders.

**PSO6** Getting knowledge of political law. **PSO7** Getting knowledge of Constitution of India

**Course Outcomes (Political Science):**

<b>S. No.</b>	<b>Course</b>	<b>Course Code</b>	<b>Course Outcomes</b>
1	Principles of Political Science	1481	1. Getting information about Political Science 2. Acquiring knowledge of national values
2	Indian Thinkers	1482	1. Study of the Indian Political Thinking and their thoughts. 2. Study of the contribution of political thinkers in independent movements and their need for modern society
3	Modern Constitutions	2481	1. Getting information about the system of the Constitution and Government 2. Study of different constitutions comparatively
4	Indian Political System	2482	1. Acquiring the knowledge about Indian Constitution. 2. Getting awareness about one's rights and duties. 3. Getting information about political parties and system of justice in India. 4. Knowing about the problems and challenges in Indian politics.
5	Western Thought and Ideology	3481	1. Getting information about western thinkers and their political thoughts. 2. Comparative study of the ancient thoughts and modern thoughts.
6	International Relations	3482	1. Study of the international political system. 2. Study of the international & regional organizations. 3. Study of the relations of India with neighbouring countries.

## Department of English (Undergraduate BA Pass Course) 2020-21

### Programme Specific Outcomes (English):

**PSO1:** Students expose to the best examples of literature in English and to contribute to their emotional quotient as well as independent thinking.

**PSO2:** Development of effective communication skills

S. No.	Course	Course Code	Course Outcomes
1	GENERAL ENGLISH	1704	<ol style="list-style-type: none"><li>1. Gaining efficiency in reading, comprehending, and writing skills in English.</li><li>2. Proficiency in grammar.</li></ol>
2	Drama and Poetry	1341	<ol style="list-style-type: none"><li>1. Students will acquire an understanding of the characteristic aspects of the literary genres of novel, prose and essay to enhance their understanding of literature.</li><li>2. The prescribed texts will enrich their knowledge about complex human relationships in the given socio-historical context.</li></ol>
3	Prose and Fiction	1342	<ol style="list-style-type: none"><li>1. Students will acquire an understanding of the characteristic aspects of the literary genres of novel, prose and essay to enhance their understanding of literature.</li><li>2. The prescribed texts will enrich their knowledge about complex human relationships in the given socio-historical context.</li></ol>
4	Drama	2341	<ol style="list-style-type: none"><li>1. Students will learn that drama can be an effective tool in enhancing language skills and in personality development.</li><li>2. The course will encourage peer cooperation as the students will be engaged in various team activities.</li></ol>
5	Poetry	2342	<ol style="list-style-type: none"><li>1. Students will be able to critically analyze poetry using various elements, such as diction, tone, form, genre, imagery, figures of speech, symbolism and theme.</li><li>2. They will grasp the aesthetics of poetry, as well as the ability to read, appreciate and independently evaluate poetic works critically.</li></ol>
6	Drama and Poetry	3341	<ol style="list-style-type: none"><li>1. The students are enabled to understand the 'Indianness' of English writers in India.</li><li>2. They will acquire an understanding of the post-colonial Indian poetry.</li><li>3. The students will have sufficient understanding of tragi-comedy as a sub-genre of drama</li></ol>
7	Fiction	3342	<ol style="list-style-type: none"><li>1. Students will be empowered with an understanding of the socio-cultural and political milieu of India and Britain in the specific temporal setting of the novels.</li><li>2. They will become proficient in spoken English.</li></ol>

## Department of Geography

### Programme Specific Outcome BA (Geography):

**PSO1:** Student will gain the knowledge of physical geography. Student will have a general understanding about the geomorphological and geotechnical process and formation. They will be able to correlate the knowledge of physical geography with the human geography.

**PSO2:** They will be able to acquire the knowledge of Human Geography and will correlate it with their practical life.

**PSO3:** Students will be acquainted with the concept of Scale in Geography, enlargement and reduction of Maps, construction of contours, drawing the profiles and will be able to interpret the weather maps with the help of weather symbols as well as learn to use different weather instruments to record and measure the weather phenomenon.

**PSO4:** Students will learn the regional geography of the world, particularly from the perspective of how human, physical and environmental components of the world interact.

**PSO5:** Acquire knowledge of the fundamental and modern issues in Economic Geography. To gain in-depth knowledge of the concepts and approaches; classification of economic activities and their changing trend; theories of economic development; agricultural geography based on Von Thunen's model, industrial geography theories; industrial regions and spatial variation in production and transport costs and gain knowledge on transport and marketing geography. Inculcate the knowledge of changing dynamics in the industrial and agricultural sector that will help them in their research studies.

**PSO6:** The course will provide the practical knowledge of geography subject to the students. In this course geography students will be able to understand the earth as 3d model and will learn how to project the earth on different projections as well as the techniques of data collection, statistical analysis of the data and representation of the results in the form of maps, diagrams and graphs.

**PSO7:** 1. Students will get an introduction to the main regions of the India in terms of both their uniqueness and similarities. 2. Students will be exposed to historical, economic, cultural, social and physical characteristics of India. 3. Students will learn the relationships between the global, the regional and the local, particularly how places are inserted in regional and global processes. 4. In addition to the ability of understanding and reading maps, students will develop cartography skills and will be able to create maps on their own. 5. Students will be introduced to demographic, social and cultural attributes such as migration, social relations and cultural identity.

**PSO8:** 1. Students will get an introduction to the main regions of the Rajasthan in terms of both their uniqueness and similarities. 2. Students will be exposed to historical, economic, cultural, social and physical characteristics of Rajasthan. 3. Students will learn the relationships between the global, the regional and the local, particularly how places are inserted in regional and global processes. 4. In addition to the ability of understanding and reading maps, students will develop cartography skills and will be able to create maps on their own. 5. Students will be introduced to demographic, social and cultural attributes such as migration, social relations and cultural identity.

**PSO9:** Students will be able to survey the land with the help of Plain table and Prismatic Compass. Surveying and Creation of Maps are the important skill in Geography and in this course, student will be able to sketch and construct the Maps of their study area.

### Course Outcomes (Geography):

S. No.	Course	Course Code	Course Outcomes
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1	Physical Geography	1361	<ol style="list-style-type: none"> <li>1. Students will be introduced to the Physical geography and its branches.</li> <li>2. Geomorphology and its application, Interior of the Earth, Plate tectonics will be discussed in the class.</li> <li>3. Student will be able to classify the geomorphic processes such as weathering, mass movement, erosion, deposition etc.</li> <li>4. Students will learn the composition of atmosphere and its characteristics.</li> <li>5. This course will describe the introduction of oceanography, hydrological cycles and movements of ocean water, etc. to the students.</li> </ol>
2	Human Geography	1362	<ol style="list-style-type: none"> <li>1. Gain knowledge about major themes of human Geography.</li> <li>2. Acquire knowledge on the history and evolution of humans.</li> <li>3. Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations.</li> <li>4. Develop an idea about space and society</li> </ol>
3	Practical Geography	1363	<ol style="list-style-type: none"> <li>1. Students will learn the Map and map scales used in Geography.</li> <li>2. Students will be able to do the conversions of the scale.</li> <li>3. Students will be able to draw profiles and represent relief feature through various methods.</li> <li>4. Knowledge of principles and working of weather instruments and will be able to draw various graphs using climatic data is the outcome of the geography students.</li> </ol>
4	World Regional Geography	2361	<ul style="list-style-type: none"> <li>• Students will get an introduction to the main regions of the world in terms of both their uniqueness and similarities. They will thus gain a perspective about social and cultural diversity of the world.</li> <li>• Students will learn the relationships between the global, the regional and the local, particularly how places are inserted in regional and global processes.</li> <li>• Students will be exposed to historical, economic, cultural, social and physical characteristics of regions, notably how they came to be, their main role and function and how they are changing.</li> </ul>

			<ul style="list-style-type: none"> <li>d. Students will see how human activities and the regional environment interact, particularly how societies reflect their regional environment.</li> </ul>
5	Economic & Resource Geography	2362	<ul style="list-style-type: none"> <li>Understand the concept of economic activity, factors affecting location of economic activity.</li> <li>Gain knowledge about different types of Economic activities</li> <li>Assess the significance of Economic Geography, the concept of economic man and theories of choice.</li> <li>Analyze the factors of location of agriculture and industries.</li> <li>Understand the evolution of varied types of economic activities.</li> <li>Map and interpret data on production, economic indices, transport network and flows.</li> </ul>
6	Practical Geography	2363	<ol style="list-style-type: none"> <li>1 Students will learn and able to draw the various projection used in geography.</li> <li>2 Students will use the thematic maps for data representations.</li> <li>3. They will learn basic statistical methods used in geographical studies.</li> </ol>
7	Geography of India	3361	<ol style="list-style-type: none"> <li>1. Identifying and explaining the Indian Geographical Environment, from global to local scales.</li> <li>2. Applying geographical knowledge to everyday living.</li> <li>3. Applying knowledge of global issues to a unique scientific problem.</li> <li>4. Showing an awareness and responsibility for the environment and India.</li> <li>5. Evaluating the impacts of human activities on natural environments special reference to India.</li> </ol>
8	Geography of Rajasthan	3362	<ol style="list-style-type: none"> <li>1.Students will discuss the Geology, Drainage, Soil Types, Climate and Resources of the Rajasthan.</li> <li>2. Students will be able to list the resources present in the state.</li> <li>3. Showing an awareness and responsibility for the environment and India.</li> <li>4. Evaluating the impacts of human activities on natural environments special reference to Rajasthan.</li> </ol>
9	Practical Geography	3363	<ol style="list-style-type: none"> <li>1.Students learn the SOI toposheet scales and map reading techniques.</li> <li>2.Students will learn the modern techniques used in geography such as GIS and Remote sensing.</li> </ol>

			<p>3. Students will be aware of geospatial techniques used in geography.</p> <p>4. Student will apply the theoretical knowledge of GIS in mapmaking practical by using GIS software</p> <p>5. Students will be able to use Plane table and prismatic compass survey and different survey methods.</p>
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### **Bachelor of Arts in Geography- Learning Outcomes**

- Students will acquire an understanding of and appreciation for the relationship between geography and culture.
- Students will acquire an understanding of and appreciation for the role that geography can play in community engagement.
- Students will develop the ethical aptitudes and dispositions necessary to acquire and hold leadership positions in industry, government, and professional organizations.
- Students will read, interpret, and generate maps and other geographic representations as well as extract, analyze, and present information from a spatial perspective.
- Students will understand through lectures but also local, regional, and/or international travel the interconnection between people and places and have a general comprehension of how variations in culture and personal experiences may affect our perception and management of places and regions.
- Students will have a general understanding of physical geographic processes, the global distribution of landforms and ecosystems, and the role of the physical environment on human populations.
- Students will have a general understanding of cultural geographic processes, the global distribution of cultural mosaics, and the history and types of interaction between people within and among these mosaics.
- Students will have a general understanding of global human population patterns, factors influencing the distribution and mobility of human populations including settlement and economic activities and networks, and human impacts on the physical environment.
- Students will be able to think in spatial terms to explain what has occurred in the past as well as using geographic principles to understand the present and plan for the future.
- Students will have a general understanding of how the physical environment, human societies, and local and global economic systems are integral to the principles of sustainable development.
- Students will have a general understanding of the various theoretical and methodological approaches in both physical and human geography and be able to develop research questions and critically analyze both qualitative and quantitative data to answer those questions.

- Students will be able to present completed research, including an explanation of methodology and scholarly discussion, both orally and in written form and, wherever possible, utilize cartographic tools and other visual formats.

## **Department of History**

### Program Specific Outcomes (History)-

PSO:1- Understand the basic themes, concepts, chronology and the Scope of Indian History.

PSO:2- Be Acquainted with the range of issues related to Indian History and its distinctive eras.

PSO:3- Understand the history of the countries other than India with comparative approach.

PSO:4- Think and argue historically and critically in writing and discussion.

PSO:5- To study further in the applied field of history as archaeology.

### Course Outcomes (History):

S.No.	Course	Course code	Course outcomes
1	Ancient Indian history up to 1000	1401	<ol style="list-style-type: none"> <li>1. Understanding about value system, culture, trade etc of ancient India</li> <li>2. Study of different dynasties and civilisations of ancient India and their contribution to world</li> </ol>
2	Medieval Indian history	1402	<ol style="list-style-type: none"> <li>1. Acquiring knowledge about Mughal empire its art, culture etc</li> <li>2. Study of impact of Mughal empire on Indian culture and Bhakti movement</li> </ol>
3	Indian history 1707 to 1884 AD	2401	<ol style="list-style-type: none"> <li>1. Acquiring knowledge about policies of East India company resulting their control on all states.</li> <li>2. Study about opposition of Indian people against East India company</li> </ol>
4	Indian history 1885 to 1950 AD	2402	<ol style="list-style-type: none"> <li>1. Study about Freedom-fighters, political leaders and different</li> </ol>

			<p>national movements for freedom.</p> <p>2. Value of freedom and constitution</p>
5	Outline of the history of Rajasthan	3401	<p>1. Study about history of Rajasthan</p> <p>2. Knowing about the culture, drawing, painting and values system of Rajasthan</p>
6	Western world history	3402	<p>1. Understand the history of western countries.</p> <p>2. Knowledge about Industrial revolution, renaissance and its impact on western as well as rest countries.</p>