**Government Lal Chakradhar Shah College, Ambagarh Chowki, District Rajnandgaon**

Government LCS College is affiliated to Hemchand Yadav (Durg) University, Durg.

We follow the Syllabus of Hemchand Yadav University.

Presently we have Following Courses:

Undergraduate Level

1. B.A (Hindi, Economics, History, Political Science, HomeScience)
2. B.Sc (Zoology, Botany, Chemistry),(Mathamateics, Physics, Chemistry)
3. B.Com

Postgraduate Level

1. M.Sc (Chemistry)
2. M.A (Hindi)
3. M.A(Political Science)
4. M.A (Economics)

**COURSE OUTCOME, PROGRAMME OUTCOME & PROGRAMME SPECIFIC OUTCOME (CO'S, PO'S & PSO'S)**

**Bachlor of Science Programme**

**OBJECTIVES OF THE PROGRAMME:**

Broad objectives of **Bachelor of Science** course are:

 **Knowledge and Theory –** Gaining board knowledge of science as well as indepth knowledge of atleast one subject. Development of understanding broad context of Scientific theory and practice.

**Application-** Application of appropriate methods of research, investigation and design.

**Proficiency in Technology-** Development of conceptual, analytical, quantitative and technical skills.

 **Professional and Ethical Behaviour-** Development of personal and professional integrity.

**Problem Solving and Critical Thinking-** Critical evaluation of ideas and arguments by gathering relevant information, assessing its credibility and synthesizing evidence to formulate a solution.

**Environment Sensitivity –** Sensitization of environmental and sustainibility issues.

**Department of Mathematics**

 **(Bachelor of Science)**

**COURSE OUTCOME:**

On the completion of the course, students will be able to:-

* Develop the knowledge of algebraic skill essential for the study of systems of matrix algebra, linear equations, Eigen values and Eigen vectors.
* Apply mathematical methods of Arithmetics, Algebra, Geometry and Graphs to solve problems.
* Develop the knowledge for applying the concept and principles of Differential and Integral calculus to solve problems.
* Develop the skill of computation of integral using Gauss’s, Divergence and Stoke’s theorems.
* Integrate functions of several variables over curves and surface.
* Demonstrate the knowledge of the basic concepts of Geometry.
* Solve algebraic equations of up to degree four.
* Develop the knowledge of the fundamental tools of calculus such as limit, sequence, continuity and differentiability of functions of two variables.
* Identify a general method for constructing solutions of homogeneous linear differential equations with constant coefficients.
* Distinguish between partial differential equation and ordinary differential equation.
* Solve problems of motion of a particle in rough and smooth plane.
* Develop the knowledge of Kepler’s Law of motion.
* Understand the concept of vector space and inner product space.
* Develop the knowledge of fundamental concepts of complex variables.
* Understand improper integrals.
* Understand the basic principle of Fourier series and Riemann Integral
* Describe computer programs in formal mathematical manner.
* Develop the knowledge of numerical method for approximating the solution of problems of Mathematics.

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| **MARKING SCHEME SCHEME OF B.Sc (Maths) I,II,III Year examination**  |
| **Subject**  | **Paper**  | **Max. Marks**  | **Total Marks**  | **Min. Mark**  |
| Mathematics  | I  | 50  | 150  | 50  |
|  | II  | 50  |
|  | III  | 50  |

**PROGRAMME OUTCOME**

On completion of this programme, students will be able to:

* Create, interpret and analyse graphical representation of functions and equations.
* Develop the knowledge of create Mathematical models to solve real-world problems.
* Understand the basic concepts, fundamental principles and Mathematical theories related to various mathematical phenomena and their relevance in day-to-day life.
* Develop the knowledge and understanding of axiomatic approaches in pure and applied Mathematics.
* Develop mathematical skill to solve problems.

**PROGRAMME SPECIFIC OUTCOMES**

**The course of B.Sc-I Mathematics is divided into 3 papers:**

**PSO: 01- Paper-I: Algebra and Trigonometry**

* Gain knowledge of Elementary operation on Matrices, Inverse of Metrics.
* Able to solve Application of Matrices to a System of Linear Equation.
* Solve Mapping, Equivalence Relation & Partition.
* Develop the knowledge for applying the concept of Group ,Ring & Fields
* Solve various problems on De-Moivre’s Theorem and its Application.

**PSO:02- Paper- II- Calculus**

* Verify the values of limit and Continuity of a function .Understand the Successive Differentiation, Leibnitz’s Theorem, Macluarin and Taylor’s Series Expansion.
* Learn the method and properties of Asymptotes and Curvature.
* Students will be familiar with the techniques of Integral Calculus.
* Identify types of differential equations and solve differential equations such as Exact, homogeneous, non-homogeneous, and linear and Bernoulli differential equations etc.
* Solve various problems on Ordinary Differential Equation.

**PSO: 03-Paper- III- Vector Analysis and Geometry**

* Understand basic notions of Scalar and Vector Product of three Vector.
* Able to solve Application of Green, Gauss and Stokes Theorem.
* Students will be familiar with the techniques of integral Calculus.
* Identify types of differential equations and solve differential equations such as Exact, homogeneous, non-homogeneous, and linear and Bernoulli differential equations etc.
* Solve various problems on Ordinary Differential Equation.

**The course of B.Sc-II Mathematics is divided into 3 papers:**

**PSO: 04-Paper-I- Advanced Calculus**

* Solve the Convergence of Series and Sequences with Different Tests.
* Identify and apply the intermediate value theorem, Mean value theorem.
* Verify the values of limit of a function of Two Variable, Homogeneous Function and Taylor’s Theorem for Function of two variables.
* Identify the Maxima and Minima of Function of Two and Three Variables.
* Learn the method and properties of Beta and Gamma Function, Double and Triple Integrals.

**PSO: 05-Paper-II – Differential Equation**

* Students develop knowledge in the Bessel’s and Legendre’s Differential Equation.
* Learn the methods and properties of Laplace transform and Inverse Laplace Transform, apply them to solve Linear Differential Equations.
* Identify partial differential equations of the First order, Lagrange’s Method and Charpit’s Method.
* Solve the partial Differential Equation of second and higher Order.
* Problem solving of Variational with fixed boundaries.

**PSO: 06-Paper-III – Mechanics**

* Solve the Analytics Condition of Equilibrium and virtual work, Catenary.
* Understand the force in three Dimensions, Null Lines and Dynamics.
* Solve various problems on Simple Harmonic Motion, Elastic Strings, Projectile and central orbits.
* Problem solving Kepler’s Law of Motion, Velocity and acceleration in tangential.
* Learn the Motion in a resisting medium .motion of particles of mass.

**The course of B.Sc-III Mathematics is divided into 3 papers:**

**PSO: 07-Paper-I- Analysis**

* Solve the Series of arbitrary terms. Convergence, divergence and Oscillation. Abel's and Dirichlet's test. Multiplication of series.
* Determine the Riemann integrability, Intergrability of continuous and monotonic functions with Different Tests.
* Understand Complex numbers as ordered pairs. Geometric representation of Complex numbers.
* Understand the Metric spaces, Neighbourhoods, Limit points, Interior points, Open and closed sets, Closure and interior.
* Learn the Dense subsets. Baire Category theorem. Separable, second countable and first countable spaces. Continuous functions. Extension theorem. Uniform continuity.

**PSO: 08-Paper-II- Abstract Algebra**

* Students develop knowledge of Group-automorphisms, inner automorphism. Automorphism groups and their computations, Conjugacy relation, Normaliser, Counting principle and Sylow's theorems, Sylow subgroup, Structure theorem for finite Abelian groups.
* Analyze and demonstrate examples of ideals and quotient rings and Use the concept of isomorphism and homomorphism for rings.
* Understand the vector spaces. Subspaces. Sum and direct sum of subspaces, linear span. Linear dependence, independence and their basic properties.
* Solve the Linear transformations and their representation as matrices.
* Solve the Inner Product Spaces-Cauchy-Schwarz inequality and Bessel's inequality for finite dimensional spaces. Gram-Schmidt Orthogonalization process.

**PSO: 09-Paper-III-Programming in 'C' and Numerical Analysis**

* Understand the Programmer's model of a computer. Algorithms. Flow Charts. Data Types.
* Solve the Solution of Equation Bisection, Secant, Regula Falsi, Newton's Method and Roots of Polynomials.
* Problem solving Linear Equations: Direct Methods for Solving. Systems of Linear Equations and the Algebraic Eigenvalue problem.
* Problem solving Ordinary Differential Equations: Euler, Single-step, Runge-Kutta’s, Multi-step, Milne-Simpson Methods based on Numerical Integration and Approximation.
* Solve the Monte Carlo Methods Random number generation, congruential generators, and statistical tests of pseudo-random numbers

**Department of Botany**

**(Bachelor of Science)**

**Course Outcome (CO):**

**Upon completion of course the Student will be able:**

* To acquire theoretical and Practical knowledge of Microbes, Lower and Higher Plant Genera.
* To acquire knowledge about Taxonomy, Structure, Physiology, Reproduction and Life cycle of Plants.
* To be able to identify Plants based on Morpholgical characters.
* To acquire knowledge of economically important plants and plant diseases.
* To become aware of ecological issues like Deforestation, Green house effect etc.

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| **MARKING SCHEME SCHEME OF B.Sc (Botany) I,II,III Year examination**  |
| **Subject**  | **Paper**  | **Max. Marks**  | **Total Marks**  | **Min. Mark**  |
| Botany | I  | 50  | 150  | 50  |
|  | II  | 50  |
|  | Practical | 50  |

**Program Outcome(PO)**

 Major Program outcome of B.Sc Botany are to gain knowledge about:

* Structural organization and economic importance of microbes including Bacteria, Viruses, Mycoplasma, Cyanobacteria.
* Structure, development and economic importance of lower plants including Algae, Fungi, with practical knowledge.
* Structure, development and economic importance of Bryophytes and Pteridophytes.
* Structure, development and economic importance of Gymnosperms, Angiosperms and Flowering plants
* Plant physiology.
* Principles, techniques and application of genetic engineering and biotechnology.
* Environment, Ecology and Ecomonic importance of plants.

**Program Specific Outcome(PSO)**

**B. Sc. Part-I**

 **PSO: 01- Paper-I:Bacteria, Viruses, Fungi, Lichens, and Algae**

* Understanding the basic microbial characteristics, structure, reproduction and economic importance of Bacteria, Virus, Mycoplasma and Cyanobacteria.
* Know the classification, characteristic features, life history and economic importance of algae with practical knowledge.
* Know the General account, classification, characteristic features, structure, life history and economic importance of fungi with practical knowledge.

**PSO: 02- Paper-II:Bryophytes, Pteridophytes, Gymnosperms and Plaeobotany**

* Know the classification, characteristic features, structure and life cycle of Bryophytes with practical knowledge.
* Know the classification, characteristic features, structure and life cycle of Pteridophytes with practical knowledge.

**Practicals**

* Practical Skills in identification of Microorganisms,Bryophyta, Pteridophyta,Gymnosperm, Cytology, Speciemen identification based on theory

**B. Sc. Part-II**

 **PSO: 03- Paper-I: Diversity of Seed Plants and The Systematics**

* Understanding the characteristics, origin, evolution and diversity of seed plants.
* Know the classification, characteristic features, structure and life cycle of gymnosperms with practical knowledge.
* Understand the principles and rules of taxonomy of angiosperms.
* Knowing the salient features of classification of angiosperms.
* Understanding the diversity of flowering plants of different families.

 **PSO: 04- Paper-II: Structure, Development and Reproduction in Flowering Plants**

* Understanding the basic body plan, growth and diversity in plants.
* Understanding the shoot system and root system in detail with practical knowledge.
* Knowing the morphological and anatomical structure of leaves according to adaptation with practical knowledge.
* Understand the structure, development of flower and reproduction in flowering plants in detail with practical knowledge.
* Significance of seeds.

**Practicals**

* Practical Skills in Identification and Description, Anatomy,Physiology and Embryology of Gymnosperm, Angiosperm.
* Identification of Local Flora.

**B. Sc. Part-III**

 **PSO: 05- Paper-I: Plant Physiology, Biochemistry and Biotechnology**

* Know the complete physiology of plants including plant water relationship, transpiration, transport of organic substance, respiration, photosynthesis.
* Understand the properties, structure and mechanism of action of enzymes.
* Understand the metabolism of protein and lipids.
* Knowing the growth and development process in plants including knowledge of structure and function of plant hormones.
* Understanding the principles, techniques and application of genetic engineering and biotechnology.

**PSO: 06- Paper-II: Ecology and Utilization of Plants**

* Understand the environment along with water, light, soil, temperature.
* Understand the morphological, anatomical and physiological changes in plants responses to environment with practical knowledge.
* Knowledge of ecology, ecosystem, ecological pyramids, flow of energy with practicals.
* Understand the utilization of plants as food, fibres, oils, spices, medicine, beverages and rubber with practical knowledge.

**Practicals**

* Practical knowledge of Physiological phenomenon, Ecology, Biochemical analysis and Important Economically beneficial Plants.

**Department of Zoology**

**(Bachelor of Science)**

**Course Outcome (CO):**

**Upon completion of course the Student will be able:**

* To acquire theoretical and Practical knowledge of Kingdom Animalia.
* To acquire knowledge about Taxonomy, Structure, Physiology, Reproduction and Life cycle of Animals.
* To be able to identify Animals based on Morpholgical characters.
* To acquire knowledge of economically important animals and diseases.

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| **MARKING SCHEME SCHEME OF B.Sc (Zoology) I,II,III Year examination**  |
| **Subject**  | **Paper**  | **Max. Marks**  | **Total Marks**  | **Min. Mark**  |
| Zoology | I  | 50  | 150  | 50  |
|  | II  | 50  |
|  | Practical | 50  |

**Program Outcome(PO)**

 Major Program outcome of B.Sc Zoology are to gain knowledge about:

* Taxonomy, Morphology, Anatomy, and Physiology of different Animal Phyla.
* Cell biology, Genetics
* Biochemistry and Biotechniques
* Ecology and Environmental biology

**B. Sc. Part-I**

 **PSO: 01- Paper-I: Cell Biology and Non Chordates**

* To study the structure of the Cell and its constituents.
* Taxonomy and identification of Non chordates.
* Introduction to basic concepts of Immunology.
* Type study of representatives of Non-chordate phyla.

**PSO: 02- Paper-II: Chordate and Embryology**

* Taxonomy and identification of Chordates.
* To study basic concepts of embryology.
* To gainknowledge about theories of fertilization.
* To understand the concepts of Parental Care, Adaptation, Migration in higher Vertebrates.

**Practicals**

* Practical Skills in Dissection of Invertebrates, Cytology, Speciemen identification based on theory

**B. Sc. Part-II**

 **PSO: 03- Paper-I: Anatomy and Physiology**

* Comparative anatomy and physiology of vertebrate organ systems.
* To study histology of endocrine glands.
* To study the physiology of Heart, Cardiac cycle and ECG.
* To study the structure and Function of Ear and Eye.

 **PSO: 04- Paper-II: Vertebrate Endocrinology, Reproductive Biology, Behaviour, Evolution and Applied Zoology**

* To understand concepts of endocrinology.
* To understand concepts of Reproductive biology.
* To understand concepts of Ethology.
* To study basic concepts of Evolution.
* To study about various economically important animals and concept of pest management.

**Practicals**

* Practical Skills in identification of Chordates, Dissection of Chordates, Slide preparation, Mounting, Study of Limb girdles, Limb bones, Lifecycle of Honey bee, Silk worm.

**B. Sc. Part-III**

 **PSO: 05- Paper-I: Ecology, environmental biology, toxicology, microbiology and medical zoology**

* To understand basic concepts of ecology, Biogeochemical cycles, Pollution and Succession.
* To understand concepts of Limiting factors, Energy flow and ecological pyramids.
* To understand principles of toxicology, toxins and animal poisons.
* General and applied microbiology.
* Pathogens and disease causing protozoans and helminthes, vector insects.

**PSO: 06- Paper-II: Genetics, cell physiology, biochemistry, biotechnology and Bio techniques.**

* To understand basic concepts of classical genetics.
* To understand basic concepts of Cellular physiology and Biochemistry.
* To study about concepts and scope of Biotechnology.
* To study about principles and working of basic Bio-intstruments.

**Practicals**

* Practical knowledge of Ecological, Haematological experiments, Identification of Bacteria using Gram staining, Chromatography, Bioinstrumentation.

**Department of Chemistry**

**(Bachelor of Science)**

**COURSE OUTCOME**

The purpose of the B.Sc. (Chemistry) programme is

* To provide basic theoritical and practical knowledge in the field of chemistry.
* This will help the student to further pusue higher education and research in Chemistry and to work in Chemical industry or Academia.

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| **MARKING SCHEME SCHEME OF B.Sc (Chemistry) I,II,III Year examination**  |
| **Subject**  | **Paper**  | **Max. Marks**  | **Total Marks**  | **Min. Mark**  |
| **Chemistry** | I  | 33 | 150  | 50  |
|  | II  | 33 |
|  | III | 34 |
|  | Practical | 50  |

**Program Outcome(PO)**

 Major Program outcome of B.Sc Chemistry:

* To gain knowledge about Fundamentals and application of current chemical and scientific theories.
* To develop problem solving, critical thinking and analytical skills.
* Students will be able to record and analyze the results of experiments.
* To develop understanding about the central role of chemical sciences in human society.

**Program Specific Outcome(PSO)**

**B. Sc. Part-I**

 **PSO: 01- Paper-I: Inorganic Chemistry**

* Students will develop an understanding about the atomic structures and their rules.
* Students will have an insight look about V.B.T. and types of hybridization.
* Students will be able to understand about different characteristics of ionic solids, semiconductors and band theories.
* Students will have an insight comparative study of s-block elements.
* Students will understand about different properties & structures of p-block elements and inorganic chemical radicals.

**PSO: 02- Paper-II:Organic Chemistry**

* Students will be able to develop an understanding about electronic structure bonding &
* mechanism.
* They will be able to learn about stereochemistry of organic compounds.
* Students will have an idea about aliphatic and aromatic ring compounds.
* Students will be able to perform chemical reactions, structures, substitution reactions of
* alkenes, dienes and alkynes.
* Students will develop an understanding about the mechanism and substitution reactions of alkyl and aryl halides.

**PSO: 03- Paper-III: Physical Chemistry**

* Students will be able to perform mathematical concept for chemist and computers.
* Students will be able to understand the concept of Maxwell's law and J-T effect.
* Students will have a basic idea about Roults law and Van't Hoff factor of liquids.
* Students will have an insight view about classification, structures and applications of liquid crystals, colloidal and solid state.
* Students will study the about chemical kinetics & catalysis.

 **Laboratory course**

Student will learn calibration, determination of physical properties of compound and qualitative analysis.

**B. Sc. Part-II**

 **PSO: 04- Paper-I: Inorganic Chemistry**

* Students will be able to understand basic property like complexion, colour transition and oxidation state of elements of 3d series.
* Student will learn about the similarities between 4d and 5d series into various aspects like magnetic property la/Ac contraction and spectral phenomena.
* Student will learn about various theories like VBT, MOT, LFT about Co- ordination complexes and their spectral characteristics.
* Student will learn about various isolation processes for the separation of La and Ac also complex formation and variation in oxidation state.
* Student will learn about various proposed method for acid and base.

**PSO: 05- Paper-II: Organic Chemistry**

* Student will learn about method of preparation, physical and chemical properties of alcohols, phenols, ethers and epoxides.
* Student will learn about Important synthesis methods and chemical reactions and oxidising nature of aliphatic and aromatic aldehyde and ketones.
* Student will learn about Acidic property, effect of substituents of carboxylic acid and chemical and physical properties of their derivatives.
* Student will learn about Chemical reaction, effect of substituents on aliphatic and aromatic nitrogen containing compound.
* Student will learn about Important reaction, mechanism and synthesis of heterocyclic compounds and their role in drugs synthesis. Role of Amino acids in biological process and end group analysis of amino acids.

 **PSO: 06- Paper-III: Physical Chemistry**

* Student will learn about first law of thermodynamics and calculation of various mathematical expression related to ideal gases.
* Student will learn about Second and third law of thermodynamics studied in detail with the basic concepts of entropy, pressure and temperature .
* Student will learn about various theories including nernest equation, lee chateliers equation and principle and gibbs phase rule.
* Student will learn about Principles and theories which explain the electrolytic solution and their conductivity.
* Student will learn about Redox, EMF, electrode reaction and concentration cells and their importance.

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 **Laboratory course**

Students will learn calibration, volumetric analysis, chromatography, qualitative analysis and thermochemistry.

**B. Sc. Part-III**

**PSO: 07- Paper-I: Inorganic Chemistry**

* Students will learn about metal-ligand bonding in transition metal complexes and types of ligand.
* Student gains important information about ionic bond, crystal field theory and its applications.
* Students gains the knowledge of organometallic compounds and their chemical reactions.
* Students will learn about important elements.
* Students will learn about concept of acid and base and the forms in which compounds occur in nature.

**PSO: 08- Paper-II: Organic Chemistry**

* Students will learn about different organometallic compounds and organic synthesis
* via enolates.
* Students will learn about biomolecules and their important roles in chemistry and daily life.
* Students gains the knowledge of polymers, types of biopolymers, formation, their properties and uses.
* Students will learn about Mass Spectroscopy, infrared and UV/Visible spectroscopy.
* Students gains knowledge about NMR 13C Spectroscopy their principle and applications.

 **PSO: 09- Paper-III:Physical Chemistry**

* Students will know about the structure of atom, orbitals and importance of quantum mechanics in chemistry.
* Students gain knowledge about applications of quantum mechanics.
* Students will know about Spectroscopy and its role in determination of molecular and atomic structure.
* Students gains the knowledge about orientation of magnetic properties in substances.
* Students will know about third law thermodynamics.

**Laboratory course**

* Students will understand preparation of complex, synthesis and analysis of organic compound, qualitative analysis and handling of instruments.
* Know about TLC method for determination of drugs.

**Master of Science- Chemistry**

**COURSE OUTCOME**

The purpose of the M.Sc. (Chemistry) programme is

* To provide advanced theoretical and practical knowledge in the field of chemistry.
* This will help the student to further pursue advanced research in Chemistry and to work in Chemical industry or Academia.

**Course and Examination Scheme**

Our College follows the Syllabus of Durg Universtiy for M.Sc Chemistry.

The Course is divided in to 4 Semesters.

M.Sc. examination scheme of each Semesters consists of 4 Theory papers and 2 Lab courses.

**Semester I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Paper | Course | Internal Marks | Theory | Total |  |
| I | Group Theory AndChemistry Of MetalComplexes | 20 | 80 | 100 |  |
| II | Concepts of organic Chemistry | 20 | 80 | 100 |  |
| III | Quantum Chemistry, Thermodynamics And Chemical Dynamics - I | 20 | 80 | 100 |  |
| IV | Theory And Applications Of Spectroscopy-I | 20 | 80 | 100 |  |
|  |  |  |  |  |  |
| Practical | Lab Course I |  |  | 100 |  |
|  | Lab Course II |  |  | 100 |  |

**Semester II**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Paper | Course | Internal Marks | Theory | Total |  |
| I | Transition Metal Complexes | 20 | 80 | 100 |  |
| II | Reaction Mechanisms | 20 | 80 | 100 |  |
| III | Quantum Chemistry, Thermodynamicsand Chemical Dynamics - II | 20 | 80 | 100 |  |
| IV | Theory and applications ofspectroscopy-II | 20 | 80 | 100 |  |
|  |  |  |  |  |  |
| Practical | Lab Course I |  |  | 100 |  |
|  | Lab Course II |  |  | 100 |  |

**Semester III**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Paper | Course | Internal Marks | Theory | Total |  |
| I | Resonance Spectroscopy, Photochemistry And Organocatalysis | 20 | 80 | 100 |  |
| II | Chemistry of Biomolecules | 20 | 80 | 100 |  |
| III | Catalysis, Solid State And Surface Chemistry | 20 | 80 | 100 |  |
| IV | Analytical Techniques And Data Analysis | 20 | 80 | 100 |  |
|  |  |  |  |  |  |
| Practical | Lab Course I |  |  | 100 |  |
|  | Lab Course II |  |  | 100 |  |

**Semester IV**

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| --- | --- | --- | --- | --- | --- |
| Paper | Course | Internal Marks | Theory | Total |  |
| I | Instrumental Methods Of Analysis | 20 | 80 | 100 |  |
| II | Natural Product And Medicinal Chemistry | 20 | 80 | 100 |  |
| III | Material And Nuclear Chemistry | 20 | 80 | 100 |  |
| IV | Environmental & Applied Chemical Analysis## | 20 | 80 | 100 |  |
|  |  |  |  |  |  |
| Practical | Lab Course I |  |  | 100 |  |
|  | Lab Course II |  |  | 100 |  |

##: Students of our College opt for this paper from the choice of Optionals given by the University.

**Program Outcome(PO)**

 Major Program outcome of M.Sc Chemistry:

To gain advanced theoretical knowledge and applications of

1. Group theory and Chemical Complexes, Quantum Chemistry, Chemical Dynamics and Thermodynamics.
2. Reaction Mechanisms and Spectroscopy.
3. Photochemistry, Catalysis and Surface chemistry, Biomolecules.
4. Instrumental methods of Chemical Analysis.
5. Medicinal Chemistry, Nuclear Chemistry, Environmental Chemistry, Nanochemistry.

**M. Sc. Semester I**

**PSO: 01- Paper-I: Group Theory and Chemistry of Metal Complexes**

Students gain knowledge about:

* Symmetry and Group Theory.
* Metal-Ligand Bonding.
* Metal-Complexes, Metal–Ligand Equilibra in Solution.
* Isopoly-Acid And Heteropoly-Acid.
* Silicates, Silicones Metal Clusters, Chains, Rings.

**PSO: 02- Paper-II: Concepts of organic Chemistry**

Students gain knowledge about:

* Nature of bonding in organic molecules.
* Aromaticity.
* Conformational analysis.
* Stereochemistry.
* Reaction intermediates .
* Elimination reactions.
* Pericyclic reactions.

**PSO: 03- Paper-III: Quantum Chemistry,Thermodynamics and Chemical Dynamics - I**

Students gain knowledge about:

* Mathematical Concept in Quantum Chemistry
* Basics of Thermodynamics
* Electrochemistry–I
* Chemical Dynamics –I

**PSO: 04- Paper-IV: Theory And Applications Of Spectroscopy-I**

Students gain knowledge about:

* Unifying Principles
* Microwave Spectroscopy
* Scattering Spectroscopy
* Raman Spectroscopy

**Lab Course I**

1. Qualitative analysis of mixture containing Acid and Basic radicals.
2. Separation and determination of two metal ions in ores, alloys, or mixtures in solution, one by volumetric and the other by gravimetric methods.
3. Estimation of Constituents of Commercial Compounds.
4. Preparation of selected inorganic compound and their studies by I.R. electronic spectra, Mössbauer, E.S.R.
5. Magnetic susceptibility measurements.
6. Handling of air and moisture sensitive compounds.

**Lab Course II**

Exercise Based on :

1. Adsorption/Surface Chemistry
2. Phase Equilibria
3. Chemical Kinetics
4. Solutions/Molecular Weights

**M. Sc. Semester II**

**PSO: 05- Paper-I: Transition Metal Complexes**

The Student will gain knowledge of:

* Reaction Mechanism of Transition Metal Complexes
* Electronic Spectra And Magnetic Properties of Transition Metal Complexes
* Transition Metal Complexes
* Alkyls And Aryls of Transition Metals
* Compounds of Transition Metal - Carbon Multiple Bonds
* Fluxional Organometallic Compounds

**PSO: 06- Paper-II: Reaction Mechanisms**

The Sudent will gain knowledge about:

* Aliphatic Nucleophilic Substitution
* Aromatic Nucleophilic Substitution
* Aliphatic Electrophilic Substitution
* Aromatic Electrophilic Substitution
* Addition To Carbon-Carbon Multiple Bonds
* Addition To Carbon-Hetero Multiple Bonds

**PSO: 07- Paper-III: Quantum Chemistry, Thermodynamics and Chemical Dynamics - II**

The Sudent will gain knowledge about:

* Application Of Matrices In Quantum Chemistry.
* Angular Momentum In Quantum Chemistry.
* Approximate Methods.
* Statistical Thermodynamics.
* Electrochemistry –II
* Chemical Dynamics –II

**PSO: 08- Paper-IV:** **Theory and applications of Spectroscopy-II**

The Sudent will gain knowledge about:

* Ultraviolet and Visible Spectroscopy
* Infra Red Spectroscopy
* Mass Spectrometry
* Nuclear Resonance Spectrophotometry

**Lab Course III**

 Excersice Based on:

* General Methods of Separation and Purification of Organic Compounds
* Distillation Techniquies
* Analysis of Organic Binary Mixture
* Preparation of Organic Compounds: Single Step preparations

**Lab Course IV**

 Excersice Based on:

* Error Analysis And Statistical Data Analysis
* Use Of Computer Programmes
* Flame Photometric Determinations
* Nephelometric Determinations
* Electrophoresis
* Spectroscopy

**M. Sc. Semester III**

**PSO: 09- Paper-I: Resonance Spectroscopy, Photochemistry And Organocatalysis**

The Sudent will gain knowledge about:

* Electron Spin Resonance Spectroscopy
* Nuclear Quadrupole Resonance Spectroscopy
* Photoelectron Spectroscopy
* Photoacoustic Spectroscopy
* Photochemical Reactions
* Determination Of Reaction Mechanism
* Miscellaneous Photochemical Reactions
* Organocatalysis

**PSO: 10- Paper-II: Chemistry of Biomolecules**

The Sudent will gain knowledge about:

* Bioenergetics
* Electron Transfer in Biology
* Transport and Storage of Dioxygen
* Metalloenzymes
* Enzyme Models
* Enzymes
* Co-Enzyme Chemistry
* Biotechnological Applications of Enzymes
* Biopolymer Interactions
* Thermodynamics of Biopolymer Solutions
* Cell Membrane and Transport of Ions

**PSO:11 - Paper-III: Catalysis, Solid State And Surface Chemistry**

The Sudent will gain knowledge about:

* Acids, Bases, Electrophiles, Nucleophiles and Catalysis
* Micelles and Adsorption
* Solid State Chemistry – I
* Macromolecules

**PSO: 12- Paper-IV:** **Analytical Techniques And Data Analysis**

The Sudent will gain knowledge about:

* Sample Preparation, Digestion And Statistical Analysis
* Separation Techniques
* Thermal And Automated Methods
* Electrochemistry
* Polarography

**Lab Course V**

* Excersices Based on Physical Chemistry
* Advanced Equipment based experiments

**Lab Course VI**

Excersices Based On

* Spectrophotometric Determinations
* Polarography
* pH-Meter
* Flame Photometric Determinations
* Refractometry
* Separation And Quantitative Estimation Of Binary And Ternary Mixtures

**M. Sc. Semester IV**

**PSO: 13- Paper-I: Instrumental Methods Of Analysis**

The Sudent will gain knowledge about:

* Advanced Chromatography
* X-Ray And Proton Induced Spectroscopy
* Atomic Emission Spectroscopy
* Atomic Absorption Spectroscopy And Hyphenated Techniques

**PSO: 14- Paper-II: Natural** **Product And Medicinal Chemistry**

The Sudent will gain knowledge about:

* Terpenoids and Carotenoids
* Alkaloids
* Steroids
* Plant Pigments
* Drug Design Development
* Antineoplastic Agents
* Antibiotics, Anti Malarial drugs

**PSO:15 - Paper-III: Material And Nuclear Chemistry**

The Sudent will gain knowledge about:

* Non Equilibrium Thermodynamics
* Material Chemistry
* Supramolecular Chemistry
* Nuclear And Radiochemistry Nuclear Theory
* Nuclear Fission
* Nuclear Energy
* Applied Radiochemistry

**PSO: 16- Paper-IV: Environmental & Applied Chemical Analysis**

The Sudent will gain knowledge about:

* Air Pollution Monitoring And Analysis
* Soil And Water Pollution
* Food Analysis
* Cosmetics, Clinical And Drug Analysis

**Lab Course VII**

Excersices Based on:

* Multi - Step Synthesis of Organic Compounds
* Quantitative Organic Analysis
* Estimation of Functional Group
* Extraction of Organic Compounds From Natural Sources
* Some advanced level sophisticated instrument based (FTIR, NMR, GC-MS, AAS, FLUORESCENCE SPECTROPHOTOMETER, TENSIOMETER etc.)

**Lab Course VIII**

Excersices Based on:

* Spectrophotometric Determination
* Flow Injection Analysis
* Atomic Absorption Spectrophotometer
* Titrimetic/Gravimetric Determinations
* Chromatographic Separation
* Nutrient and micronutrient analysis
* Toxic Element estimation

**Department of Physics**

**(Bachelor of Science)**

**COURSE OUTCOME**

The purpose of the B.Sc. (Physics) programme is

* To provide basic theoritical and practical knowledge in Physics.
* This will help the student to further pusue higher education and research in Physcis and to work for Industry or Academia.

**Program Outcome(PO)**

 Major Program outcome of B.Sc Physics:

* To gain knowledge about Fundamentals and application of Physcial Phenomenon like Laws of Motion, Optics, Mechanics, and Electronics.
* To develop problem solving, critical thinking and analytical skills.
* To be able to record and analyze the results of experiments.
* To develop understanding about the role of physical sciences in human society.

**B.Sc. I year**

**PSO: 01- Paper-I:Mechanics Oscillation and Properties of Matter**

The paper aims at imparting knowledge about:

* The concepts of Frame of Reference of different coordinates
* The laws and apply them in calculations of the motion of simple and oscillation systems
* The Cathode Ray Oscilloscope theory
* The concepts of friction and the concepts of elasticity, fluid mechanics and be able to perform calculations using them

**PSO: 02- Paper-II: Electricity, Magnetism and Electromagnetic Theory**

The paper aims at imparting knowledge about:

* The concepts of Circuit theory.
* The knowledge regarding Electricity, Dielectric medium.
* Magnetisation and Electromagnetic behaviour .
* Demonstrating quantitative problem solving skills.

**B.Sc. II year**

**PSO 03- Paper-I: Thermodynamics, Kinetic Theory and Statistical Physics**

The paper covers the topic related to thermodynamics, kinetic theory and Statistical physics.

Student will be able to

* Comprehend the basic concepts of thermodynamics and its applications in physical situation.
* Learn about situations in low temperature.
* Understand the concepts of Thermal and Statistical mechanics.
* Understand the concepts of Statistical system and its impact on surrounding.
* Understand the Particle behaviour and its consequences according to the Statistical Physics.
* Demonstrate quantitative problem solving skills in all the topics covered

**PSO 04- Paper-II: Waves Acoustics and Optics**

* Students will appreciate the role of Physics in ‘interdisciplinary areas related to materials, Acoustics etc.
* Students will understand the concepts of lens system and interference.
* To apply the laws of light to formulate the relations necessary to analyse lens formulae
* To study about LASER and its applications
* To demonstrate quantitative problem solving skills in all the topics covered.

**B.Sc. III year**

**PSO 05: Paper I: Relativity, Quantum Mechanics Atomic Molecular and Nuclear Physics**

**Student will be able to**

* Understand laws of Relativity, Quantum mechanics and apply them in atomic Physics
* Understand the concepts Molecular Physics
* Understand laws and application of Nuclear Physics
* Demonstrate quantitative problem solving skills in all the topics covered

**PSO 06: Paper II: Solid State Physics, Solid State Devices and Electronics.**

**Student will be able to**

* Understand the concepts of Solid State Systems
* Understand the concepts of Statistical system in Solid State System and its impact on surrounding
* Demonstrate quantitative problem solving skills in all the topics covered
* Understand the basics of transistor biasing and their applications

**Department of Commerce**

**(Bachelor of Commerce)**

**OBJECTIVE OF THE PROGRAMME:**

. The objectives of the prescribed course are:

* To provide students with specific knowledge and skills relevant to their disciplines and careers.
* This program satisfies the educational entrance requirements for membership of relevant professional bodies.
* To develop understanding of the principles of accounting, finance, economic and business law.
* To develop numerical abilities of students.
* To inculcate writing skills and business correspondence
* To create awareness of law and legalizations related to commerce and business.
* To introduce recent trends in business , organizations and industries
* To acquire practical skills related with banking and other business.

**COURSE OUTCOME**

The purpose of the B.Com. programme is

* This will help the student to further pusue higher education and qualify for professional exams like C.A., C.S., CMA, UPSC and state PSC's.
* To develop qualitative and quantitative skills for Business and Enterpreneurship.

**Program Outcome(PO)**

 Major Program outcome of B.Com:

* To provide knowledge about Fundamentals and application of Finance, Auditing and taxation, Accounting, Management, Communication, Computer .
* To develop problem solving, critical thinking and analytical skills in the field of Business and Commerce.
* To develop understanding about the role of Commerce in human society.

**Subjects and Scheme of Examination**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Class | Group | Subject | Marks | Maximum | Minimum |
| B.Com I | I | Finanacial Accounting | 75 | 150 | 50 |
|  |  | Business Communication | 75 |  |  |
|  | II | Business Maths | 75 | 150 | 50 |
|  |  | Business Regulatory Framework | 75 |  |  |
|  | III | Business Environment | 75 | 150 | 50 |
|  |  | Business Economics | 75 |  |  |
|  |
| B.Com II | I | Corporate Accounting | 75 | 150 | 50 |
| Company Law | 75 |
| II | Cost Accounting | 75 | 150 | 50 |
| Principle of Business Management | 75 |
| III | Business Statistics | 75 | 150 | 50 |
| Fundamentals of Enterpreneurship | 75 |
|  |
| B.Com III | I | Income tax | 75 | 150 | 50 |
| Auditing | 75 |
| II | Indirect Tax, GST | 75 | 150 | 50 |
| Management Accounting | 75 |
|  |  |  |  |  |
|  |  |  |  |  |
| IIIOption AFinanace Area | Finance Management | 75 | 150 | 50 |
|  | Finance Market Operation | 75 |
| IIIOption BMarketing Area | Principles of Marketing | 75 | 150 | 50 |
| International Marketing | 75 |
| IIIOption CCommercial Area | IT and its applications | 75 | 150 | 50 |
| Essentials of e-Commerce | 75 |
| IIIOption DMoney Banking and Insurence | Fundamentals of Insurance  | 75 | 150 | 50 |
| Money and Banking System | 75 |

**Program Specific Outcome(PO)**

**B.Com I**

**PSO 01 FINANCIAL ACCOUNTING**

* Define bookkeeping and accounting.
* Explain the general purposes and functions of accounting.
* Explain the differences between management and financial accounting.
* Describe the main elements of financial accounting information – assets, liabilities, revenue and expenses.
* Preparation of final accounts and their purposes.

**PSO 02 BUSINESS COMMUNICATION**

* To give the knowledge of effective Communication in Business.
* Different processes and considerations involved in writing in business.
* Identify the appropriate use of different channels of written communication in business.
* Create various types of business reports
* Communicating through Technology

**PSO 03 BUSINESS MATHS**

* Understanding of basic marketing mathematics by solving relevant problems, including trade discount, cash discounting, and markup & markdown calculations.
* Apply the principles of simple interest to solve relevant problems in financial applications such as simple interest based loans.
* To analysis business math concepts that are encountered in the real world understand and able to communicate the under lined business concepts & mathematics involve to help another person.

**PSO 04 BUSINESS REG. FRAMEWORK**

* Knowledge of Contract Act.
* Explain the rights and duties of bailor, bailee, pawnee and surety
* Provisions of agency.
* Contract of Sale.
* To give the knowledge of consumers protection act and FEMA.

 **PSO 05 BUSINESS ENVIRONMENT**

* Analyze the global business environment.
* Analyze the local business environment.
* Use critical thinking skills in business situations.
* Apply an ethical understanding and perspective to business situations.

 **PSO 06 BUSINESS ECONOMICS**

* Apply the concept of opportunity cost.
* Law of Demand.
* Employ marginal analysis for decision making
* Analyze operations of markets under varying competitive conditions
* Analyze causes and consequences of unemployment, inflation and economic growth

**B.Com II**

 **PSO 07 CORPORATE ACCOUNTING**

* This course aims to enlighten the students on the accounting procedures followed by the Companies.
* Student’s skills about accounting standards will be developed.
* To make aware the students about the valuation of shares.
* To impart knowledge about holding company accounts, amalgamation, absorption and reconstruction of company.

 **PSO 08 COMPANY LAW**

* To impart students with the knowledge of fundamentals of Company Law and provisions of the Companies Act of 2013.
* To apprise the students of new concepts involving in company law regime.
* To acquaint the students with the duties and responsibilities of Key Managerial Personnel.

 **PSO 09 COST ACCOUNTING**

* To understand Basic Cost concepts, Elements of cost and cost sheet.
* Providing knowledge about difference between financial accounting and cost accounting.
* Ascertainment of Material and Labor Cost.
* Student’s Capability to apply theoretical knowledge in practical situation will be increased.

 **PSO 10 PRINCIPAL OF BUSINESS MANAGEMENT**

* To understand basic knowledge of principles & function of management.
* To understand the process of decision making.
* Modern trends in management process.
* To inculcate knowledge of personality perception motivation. job satisfaction morale , group dynamic and leadership.

 **PSO 11 BUSINESS STATISTICS**

* To develop the students ability to deal with numerical and quantitative issues in business
* To enable the use of statistical, graphical and algebraic techniques wherever relevant.
* To have a proper understanding of Statistical applications in Economics and Management significance
* Discuss critically the uses and limitations of statistical analysis.
* Solve a range of problems using the techniques covered.
* Conduct basic statistical analysis of data.

**PSO 12 FUNDAMENTAL OF ENTREPRENEURSHIP**

* To aiming to develop students about Entrepreneurship development
* To create an awareness on various Entrepreneurship Development Program.
* To enable them to understand project formulation.
* To familiarize the students with EDP schemes.
* To give an introduction about MSME, EDI and other training institutes in Entrepreneurship.

**B.Com III YEAR**

 **PSO 13 INCOME TAX**

* To introduce the basic concept of Income Tax .
* In order to familiarize the different know-how and heads of income with its components.
* It helps to build an idea about income from house property as a concept.
* It give more idea about the income from business or profession
* Make the students familiarizes with the concept of depreciation and its provisions.

 **PSO 14 AUDITING**

* Student will understand the audit process from the engagement planning stage through completion of the audit, as well as the rendering of an audit opinion via the various report options.
* Student will understand auditors‟ legal liabilities, and be able to apply case law in making a judgment whether auditors might be liable to certain parties.
* Student will understand to describe the various levels of persuasiveness of different types of audit evidence and explain the broad principles of audit sampling techniques.
* Student will understand to discuss the need for an independent or external audit and describe briefly the development of the role of the assurance provider in modern business society.
* Student will able describe the quality control procedures necessary to ensure that a competent assurance engagement is performed, and apply professional ethics including Code of Conduct to specific scenarios.
* Student will able to explain the internal audit process including the professional standards applicable to the internal audit profession.

 **PSO 15 INDIRECT TAX WITH GST**

* Understand the impact of new regulation on distribution of pesticides and kind of changes needed to be done.
* Gain an insight on the recording and analyzing the transactions for compliance under GST especially in supply chain and distribution.
* Getting familiar with the technology and the flow of return filing under GST.
* Knowing “place of supply rules” and applicability of the same under GST.

 **PSO 16 MANAGEMENT ACCOUNTING**

* To enlighten the students thought and knowledge on management Accounting.
* Helps to give proper idea on financial statement analysis in practical point of view.
* To introduce the concept of fund flow and cash flow statement.
* To provide knowledge about budget control keeping in mind the scope of the concept.
* To develop the know-how and concept of marginal costing with practical problems.

 **PSO 17 FINANCIAL MANAGEMENT (Group A)**

* To develop the knowledge of business finance and financial management decision.
* Demonstrate a basic understanding of financial management.
* To teach a sense of responsibility and a capacity for financial management.

 **PSO 18 FINANCIAL MARKET OPERATIONS**

* 1. To give them outline about the participants in the financial markets.
* 2. To aware the students about share and debt markets, and name their collective name.
* 3. To aware the students about the instruments of the money and bond markets.
* 4. To make them capable to distinguish between fixed-interest and interest-bearing markets.
* 5. To aware the students about the foreign exchange market and the organization of the financial markets.
* 6. To make them aware about the primary and secondary markets.

 **PSO 19 PRINCIPLES OF MARKETING (Group B)**

* To introduce the marketing concept and how we identify, understand and satisfy the needs of customers and markets.
* To analyze companies and competitors and to introduce marketing strategy to increase awareness of the strategic and tactical decisions behind today’s top performing brands.
* 5. The marketing concept and environment.

 **PSO 20 INTERNATIONAL MARKETING**

* Students will be an expert in international marketing management with competencies in applied business research. Furthermore, you will learn responsible business and teamwork skills.
* Able to gain an in-depth knowledge and understanding of international marketing strategy processes in all types of firms, be able to identify current challenges in international marketing and propose solutions to them.
* Able to interpret the special characteristics of an international knowledge-intensive environment and originations and their role in marketing decision-making.
* You will also learn to apply different marketing tools and strategies in technology and knowledge-intensive markets and to analyze and criticize firms' strategic marketing decisions in these markets.

 **PSO 21 INFORMATION TECHNOLOGY AND ITS APPLICATIONS IN BUSINESS (Group C)**

* The objective of the course is to familiarize the students with the innovation information technology and how it affects business. An understanding of the Group rules of these technologies will enable the students to appreciate the nitty-gritty commerce.
* After Completion of the subject student should able to:-

 1. Understand development of business with the help of basic feature of IT.

 2. Understand Fundamental of computers, Electronic data processing (EDP)

 3. Understand how to use computer based business Application.

 4. Understand Application of internet in Business, education, governance, etc.

 **PSO 22 ESSENTIAL OF E-COMMERCE**

* This course provides an introduction to information systems for business and management. It is designed to familiarize students with organizational and managerial foundations of systems, the technical foundation for understanding information systems
* After Completion of the course student should able to:

1. Understand the basic concepts and technologies used in the field of management information systems, Business operations, Organization.

2. Have the knowledge of the different types of management information systems, EDI, Applications in Governance.

3. Understand the processes of developing and implementing information systems.

4. Understand Emerging business models, information service model, Security & Legal aspects of E-commerce.

**PSO 23 FUNDAMENTAL OF INSURANCE (Group D)**

* To equip students with basic foundation knowledge of insurance in order to develop a better understanding of insurance practice.
* To apply the technical and practical skills needed in starting a career in the insurance industry.
* To acquire knowledge to improve the selling, underwriting, investigating or assessing losses of insurance products to the public.
* To appreciate the importance of business ethics with special reference to insurance.

**PSO 24 MONEY AND BANKING SYSTEM**

* Describe the context of banking: the financial system.
* Explain the principles of banking.
* Elucidate the broad functions of banks.
* Analyze and explain the basic raison d'etre for banks.
* Describe the components of the balance sheets of banks.
* Elucidate the liability and asset portfolio management "problem" of Banks.

**Department of Home Science**

**(Bachelor of Arts)**

The department of Home Science offer option in Home Science at Undergraduate (B.A). We follow the syllabus prescribed by Hemchand Yadav University, Durg.

**COURSE OUTCOME**

The purpose of the B.A (Home Science) programme is

* This will help the student to further pusue higher education and research in area of Home Science.
* To develop qualitative and quantitative skills for Home management.

**Program Outcome(PO)**

 Major Program outcome of B.A( Home Science):

* To provide knowledge about Fundamentals of Human Anatomy and Physiology, Hygiene and Extension activities.
* To provide knowledge about Textiles Science, Home resource Management
* To provide Knowledge about Human Development, Food and Nutrition.

**Program Specific Outcome(PSO)**

**B. A. Part-I**

**PSO: 01-** **ANATOMY PHYSIOLOGY & HYGIENE**

Student will develop understanding and gain knowledge about

* Structure & functions of Cell and Tissue systems.
* Circulatory system and Respiratory system .
* Digestive system.
* Nervous system and Sense organs.
* Concepts of Hygiene, First aid, home nursing.

**PSO: 02- EXTENSION EDUCATION**

 Student will develop understanding and gain knowledge about

* Introduction of Home Science Extension Education.
* Community Development problems and Role of Home Scientists.
* Teaching methods & aids.
* Attitude, Motivation and Applications of Home Science.

**Practical**

* Practical exercise based on Hygiene, First aid and home management of Patients.

**B. A. Part-II**

**PSO: 03-** **Fibers and Textile**

Student will and gain knowledge about

* Types of Fibers and Weaving techniques.
* Basic design and Colours.
* Printing techniques.
* Washing and Cleaning of Textiles.
* Apparel and Clothing.

**PSO: 04- Family Resource Management**

 Student will gain knowledge about

* Introduction to Home Management.
* Home decoration, Furniture, Flower arrangment.
* Family Resources, classification and optimum utilization of energy, family budget.
* Kitchen resources and management.
* Streamlining of household work, Optimum use of house hold equipments for saving time, energy and labour.

**Practical**

* Practical exercise based on Tailoring, Cleaning and Decoration.

**B. A. Part-III**

**PSO: 05-** **Human Development**

Student will and gain knowledge about

* Indtroduction to Human Development.
* Types of Delivery.
* Childhood and Adolescence.
* Behaviour.
* Theories of Play, Habits, and delinquency.

**PSO: 06- Food and Nutrition**

 Student will gain knowledge about

* Introduction to Nutrition and types of Nutrients.
* Food, types of Food.
* Food Processing purpose and techniques.
* Food resources and its management.
* Food and Diseases

**Practical**

* Practical exercise based on Food Preparation, Food management, Food Processing, Supplimentary Diet, Personality and Intellect estimation.

**Department of Political Science**

**(Bachelor of Arts)**

Programme Outcome

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Course Outcome

B.A. I

Political Theory-

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Indian Government and Politics –

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B.A.II

Western Political Thought –

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Comparative Government –

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B.A.III

International Politics –

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M.A.Political Scince

 Programme Outcome

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 Course Outcome

 MA I Semester

Paper I

Ikk’pkR; jktuhfr fpUru &

 bl iz’u i= dks i<dj Nk= Ikk’pkR; fo}kuks tSls] IysVks] vjLrw e sfd;k;s dg :lks c sUFku] ghx dk x zhu dkdkZ ekQlZ ,oa ykLdh ds jkT; laca/kh jkT; dh mRifr ]fodkl ]jkT; dk Lo:I “kklu O;oLFkk ds i zdkj jktk ds drZO; dk;Z dqVuhfr fofo/k fopkjdks ds vu qlkj jkT; dh izd`fr D;k gS vkfn ckrksa ls voxr gkrh gSA

Paper II

Hkkjrh; ‘kklu ,oa jktuhfr &

Nk= bl iz’u i= ds ek/;e l s Tkkuras gS fd lafo/kku dk fuekZ.k dSls fdu ifjfFkfr;ks es g qvk A vf/kdkj drZC; ]jkT; uhfr ds funs’ku rRo ]Hkkjrh; lafo/kku ds ek/;e ls ‘kklu dk <k apk ] Hkkjrh; la?k es dsUn jkT; ds e/; l aca/k ]jktuhfr ]ny ] ncko lewg] Hkkjrh; jktuhfr dks izHkkfor djus okys rRo iz-ea- jk’Vªifr laln ]U;k;ikfydk dk laxBu ]fu;qfDr dk;Z vkfn dk tkudkjh izkIr gksrh gSA

Paper III

rqyukRd jktuhfr &

bl fo”k; esa rqyukRed jktuhfr dk vFkZ izdqfr {ks= MsfoM b ZLVu vke.M iko sy ds fopkj ]jktuhfr O;oLFkk ds lac a/k es ]jktuhfr laLd`fr D;k g S]lekthdj.k lEHk zkUr ox Z jktuhfr dk s dSls izHkkfor djrsa g SaA jktuhfrd ny]ncko lewg jktuhfr ifjorZu jktuhfr fodkl vkfn ds laca/k e sa fo}kuksa ds fopkjk s l s Nk=k, W voxr gksrh gSA

Paper IV

varjk Z’Vªh; jktuhfr ds fl/nkUr %&

izLrqr fo”k; Nk= g srq ykHki zn g S D;ksafd varjkZ”Vªh; txr e sa tks ?kVuk;s ?kfVr gksrh gSA o s fdu RkRoks ls i zHkkfor gksrh g S vkfn ckrk sa dk v/;;u fd;k tkrk gSA s‘kfDr ladyu ] lkeqfgd lqj{kk ]fu%’kL=hdj.k {ks=h; laxBu vkfn dkSu ls g S vkSj os D;ks ykHki zn gSa vkfn ckrk s dh tkudkjh gksrh g SA jk”Vªh; ‘kfDr ds vko’;d RkRo D;k gSA varjkZ”Vªh; jktuhfr fdu fl/nkUrk s }kjk lapkfjr gk srh gS vkfn dk v/;;u gk srk gSA

MA II Semester

Paper I

Hkkjrh; jktuhfr fpUru &

 bl iz’u i= ds ek/;e ls Nk= Hkkjrh; jktuhfrd fopkjdks euq] dkSfVY; ] jktk jke eksgu jk; n;kuan

ljLorh] xksiky d`”.k xks[kys] ykykyktir j;] egkRek xka/kh ]vEc sMdj ] usg: jkeeuksgj yksfg;k vkfn ds jktuhfrd ]lkekftd &fopkj ]lekt

lq/kkj iqutkZxj.k gsrq fd; s x;sa iz;klks dk v/;;u djrh gSA

Paper II

Hkkjr esa jkT;ks dh jktuhfr &

 jkT; jktuhfr D;k g SA nqc Zyrk,W fodkl jk”V ªh; jktuhfr dk jkT; jktuhfr ij i zHkko ] yksdlsok vk;ksx ]i apk;rh jkt O;oLFkk ]jkT;iky dh Hkwfedk N-x- jkT; ds fo’kas”k lanHkZ esA

pquko vk;ksx] ds dk;Z in O;oLFkk &fofHkUu jkT;ks esa ekuo fodkl lwpdkad vkfn dk v/;;u Nk=kvksa }kjk fd;k tkrk gSA

Paper III

fodkl”khy ns”kksa dh jktuhfr &

 bl iz’u i= ds }kjk

mifuos”kokn izdkj uo mifuos”kokn i zdkj] uo mifuos”kokn ]jktuhfr laLFkkvk sa fuokZpu O;oLFkk ]ernku O;ogkj ]usr `Ro u; s lkekftd vkUnksyu

dk ,o a jktuhfr lapkj iz.kkyh ds laca/k esa Nk=k, W Kku vftZr djrh gSA

Paper IV

 mRrj”khr ;q/n dky ds ledkyhu e qn~ns &

bl iz’u i= ds v/;;u dk egRo ;g gS fd blds ek/;e ls ;g tkudkjh izkIr gksrh gS fd varjkZ’Vªh; txr esa py jg s “khr ;q) ds var dk dkj.k D;k gS\ mRrj nf{k.k jk’Vªk sa dk laca/k oS”ohdj.k] mnkjhdj.k] futhdj.k i;kZoj.k ds izeq[k en ~ns ekuo vf/kdkj ,o izeq[k eqn~ns D;k g SA vkradokn D;k g S] fodkl]

dkj.k ,o a mldk tuthou ij D;k i zHkko iM+rk gSA vkradokn dks fdl izdkj jk sdk tk, fparu dk fo”k; gSA

MA III Semester

Paper I

yk sd i z’kklu&

yksd iz’kklu fo”k; ls vFkZ & izd`fr] mn~Hko fodkl] dkfeZd leL;k,W] HkrhZ] inksUufr] izf’k{k.k vkfn ds laca/k e sa tkudkjhA

yksd iz’kklu dh v/;;u i)fr D;k g S\ laxBu fdu mn ~ns’;k sa dk s ysdj LFkkfir gqvk gSA muds ize q[k fl)kar D;k g S\ iz’kklu esa ctV dk D;k egRo

gS\ ctV i zfdz;k D;k gS\ ys[kkadu] y s[kk ijh{kk] Hk z”Vkpkj] yksd fuxe] uk Sdj’kkgh] iznRr O;oLFkkiu] iz’kklu ij O;oLFkkfidk] dk;Zikfydk ,oa

U;k;ikfydk fdl i zdkj ls fu; a=.k j[krh gS vkfn ckrksa dk v/;;u fd;k tkrk g SA

Paper II

Hkkjrh; fon s’k uhfr&

 Hkkjr dh fons’k uhfr ds fuekZ.k ds le; Hkkjr dh ifjfLFkfr;kWa] fu/kkZjd rRo] fujarjrk ,oa ifjorZu dh fons’k uhfr]

fons’k uhfr dk fodkl fdl i zdkj ls g qvkA iM+k slh n s’kksa ds lkFk vlayXurk dh uhfr dk s viukus ds i'pkr fdl izdkj dk lac a/k jgk] oS’ohdj.k]

fu%’kL=hdj.k] lhek ij vkradokn dk mn; ,oa izHkko dk v/;;u] i;kZoj.kh; fLFkfr dk v/;;u fd;k tkrk g SA

Paper III

varjk"Vªh; dku wu&

 bl iz’u i= ds ek/;e ls Nk=k,W varjk”V ªh; dkuwu ds l aca/k e s Kku izkIr djrh gSA varjk”Vªh; dkuwu fdls dgrs gSa\

lzksr D;k g S\ lafgrkdj.k D;k g S\ ,sfrgkfld fodkl] xzk sfl;l dk ;ksxnku] jkT; mRrjkf/kdkj gLr{ksi] jkT; izkIr djuk ,oa [kksuk] jkT;ksa dk

mRrjnkf;Ro] varjkZ”Vªh; fooknksa dk ‘kkafriw.kZ ,oa ckg~;dkjh lek/kku] vkradokn ,oa varjkZ”Vªh; dkuwu] varjkZ”Vªh; dkuwu dh lhek,W o laHkkoukvksa

dh tkudkjh i zkIr gksrh gSA

Paper IV

 varjkZ’Vªh; laxBu&

varjkZ”Vªh; Lrj ij dbZ laxBu cus gSa tSl s jk”Vªla?k] la;qDr jk”Vªla?kA bu laxBuksa ds fuekZ.k dh vko’;drk D;ksa gqb Z\

‘kkafr LFkkiuk gsr q fo’o esa buds }kjk D;k dk; Z fd; s x; sA D;k mUgksus ‘kk afr LFkkiuk esa lg;ksx fn;k FkkA ;s laxBu egk’kfDr;ksa ds ‘kfDr izn’kZu dk eap

ek= cudj jg x;sA la-jk-la- ds fofHkUu vaxksa ds }kjk D;k&D;k tufgr dk;Z fd;k tkrk g SA vkfn ckrksa v/;;u dk ykHk Nk=kvksa dks izkIr gksrk gSA Hkkjr

lqj{kk ifj”kn dk LFkk;h lnL; cuuk pkgrk gSA egk’kfDr;ksa ds e/; Hkkjr dh fLFkfr dh tkudkjh gksrh gSA

MA IV Semester

Paper I

 ‘kks/k izfof/k&

jktuhfr foKku dk oSKkfud v/;;u djus g srq ;g iz”u i= Nk=kvksa ds fy, vR;ar egRoiw.k Z gSA cfYd fdlh Hkh lkekftd

fo’k; dk {k sf=; v/;;u blds ek/;e ls gk srk gSA i zkdYiuk D;k g S\ ;s dSl s curh g S\ L=ksr] funsZ’ku D;k g S\ blds fofHkUu rjhds i; Zos{k.k iz’ukoyh] vuqlwph lk{kkRdkj D;k g S\ lkekftd vuqla/kku e sa ;s {k s=h; dk; Z dju s e sa dSl s enn djrh gS\ vkfn ckrksa dk v/;;u] lk af[;dh; dk iz;ksx] dEI;wVj]

QwV uksV~l] i zfro snu] ys[ku] rF;] ladyu vkfn ckrksa dk v/;;u djrs gSaA

Paper II

dqVuhfr ds fl)kar ,oa O;ogkj&

or Zeku esa fo’o ds vU; ns’kksa ds chp dkb Z jk”Vª viuk LFkku ldy dqVuhfr ls gh cuk ldrk gSA dqVuhfr D;k g S\ O;kogkfjdrk] fl)kar] fu.k Z;&fuekZ.k fl)kar] lapkj fl)kar dqVuhfrd fuekZ.k ds egRoiw.kZ lk/ku gSA ,sfrgkfld rkSj ij dqVuhfrd dk v/;;u ,oa orZeku i ztkrkaf=d ; qx esa fdl izdkj dh dqVuhfrd jk”Vªksa ds fy, viuk;h tkrh g SA jk”Vªh; ‘kfDr dh vfHko `f) ds lk/ku ds :i esa dqVuhfr ,d i zHkkoh ek/;e g SA

Paper III

ekuokf/kdkj] leL;k, W ,oa laHkkouk,W&

bl iz’u i= ds ek/;e ls] ekuokf/kdkj D;k g S\ vko’;drk] egRo] cPpksa efgykvksa “kj.kkfFkZ;ksa ds fy,

ekuokf/kdkj vk;ksx fdl izdkj dk;Z djrk gS ,oa D;k izko/kku gS] vkfn ckrksa dh tkudkfj;kW i zkIr gksrh gSA varjkZ”Vªh; Lrj ij jk”V ªh; ,oa jkT;

Lrj ij ekuokf/kdkj vk;ksx fdl izdkj O;fDr ds vf/kdkjks a dk laj{k.k djrk gSA vkfn ckrksa dh tkudkjh izkIr gksrh g SA

Paper IV

varjk Z’Vªh; foRrh; laLFkkvk sa dh jktuhfr&

bl iz’u i= ds ek/;e ls ;g tkur s gSa fd fo’o ds fofHkUu jk’Vªksa e s vkfFkZd lg;ksx ,oa fodkl gsrq fofHkUu foRrh; laLFkk,W laxfBr g Sa tSl s& fo’o cSad] varjkZ’V ªh; eqn zk dks’k] {k s=h; fodkl c Sad ;s lc r`rh; fo”o ds ns”kksa ds fodkl g srq

fdl izdkj mudh enn djrs gSaA varjkZ”Vªh; txr esa u;h varjk Z”V ªh; O;oLFkk D;k gSA varjkZ”Vªh; foRr fuxe ds dk;Z D;k g S\ v arjkZ”Vªh; O;kikj]laxBu ,oa mRrj&nf{k.k laca/k fdl izdkj ls dk;Z dj jgs g Sa ,o adSl s varjkZ”Vªh; txr esa fofHkUu jk”Vªksa dk lg;ksx dj jg s gSaA cM+s jk”Vª NksVs jk”Vªksa ds lEeq[k D;k leL;k, W mifLFkr djrs g Sa] vkfn ckrksa dk v/;;u fd;k tkrk gSA fo’o dh vkfFkZ foRrh; fodkl esa bl iz’u i= dk v/;;u egRoiw.k Z g SA

**Department of History**

**(Bachelor of Arts)**

**Programme Outcome**

To familiarize the student with the culture, civilization and development of political and social institution in India.

To develop awareness towards foreign inversion on India and thus effect on Indian culture and life of the people.

 To prepare the student to understand imperialize and colonialism and its effect on India. To understand the nature and development of freedom struggle.

 To develop awareness towards the leading events of the history of Europe, America and Asia and their co-relation to other parts of the world.

 **Course Outcome**

 B.A. I

History of India from the beginning to 1206 A.D.

Program Specific Outcome

* To familiarize the students to the political, social, economic and cultural aspects of Ancient India.
* To prepare the students to understand the cultural, social, political, economic and literary developments and changes in ancient India.

World History (1453-1890)

Program Specific Outcome

* To familiarize the students to the history of modern world.
* To understand the co-relation of the events happening in the countries of Europe, Asia, and America.

B.A. II

History of India (1206 -1761)

Program Specific Outcome

* To familiarize the students to the political, social, economic and cultural aspects of Medieval India.
* To prepare the students to understand the foreign invasions and its cultural, social, political, and economic impact on India.

World History (1789-1871)

Program Specific Outcome

* To familiarize the students to the leading events of world history.
* To prepare the students to understand international events and its relation to contemporary India history.

B.A. III

History of India (1761-1950)

Program Specific Outcome

* To familiarize the students to the political, social, economic and cultural history of India during British rule.
* To prepare the students to understand the conflict between British and Indians, social, economic effect of British rule Development of National movement etc.

World History (1871-1945)

Program Specific Outcome

* To familiarize the students to the main events of world history and knowledge of international institution and their role in international relations of the countries.

**Department of English**

**BA, BSc & BCom (PART – I, II & III)**

**FOUNDATION COURSE**

**(ENGLISH LANGUAGE)**

**Objectives of the Programme:**

The objectives of the prescribed course are:

* To develop an aesthetic sense and love for literature, culture, tradition and language in learners.
* To help them appreciate ancient classic texts.
* To encourage them towards further learning.
* To provide learners with a basic understanding of the language.

**COURSE OUTCOME:**

The subject Foundation Course has been divided into two separate papers; Paper-II – English Language. The paper is of maximum marks 75 and minimum pass mark is 26. The candidate has to pass each paper separately.

At the end of the course in the English Language the student can:

* **Read** and **Write**  in English
* **Knowledge Acquisition -** Student will acquire knowledge of the use and interpretation of the texts.
* **Engage** student in the life-long learning process.
* **Assist** students in the field of literacy, intellectuality, flexibility and adaptability to different cultures.
* **Understanding** – Students will develop an understanding of the less familiar texts and will read them more for the proper usage.
* **Description** – Students will able to describe the incidences and events in the language
* **Expressive** - The learning of the literature will make them more expressive and sharpen their artistic outlook.

**PROGRAMME SPECIFIC OUTCOME:**

The course of Foundation Course English Language :

**PSO: BA/BSc/B Com Part-I – English Language and Indian Culture**

The paper highlights ancient and old cultural traditions in Ancient India. The paper enables students to:

* To read and understand about Ancient and Old Indian culture and traditions
* Ancient Indian texts, myths and the impact of Ancient Indian culture on other cultures
* The age of Ramayana and Mahabharata and the impact of these epics in the development of the culture and traditions of the South-Asian countries
* Impact of Buddha and Buddhism in India and the neighbouring countries. Also, the development of Buddhism as a religion worldwide
* Ancient Indian Science and knowledge; India being the centre of literature and cultural exchange
* The old India and her boundaries, the rich heritage, the flourishing culture, Ancient Indian civilization, Harappa, Mohenjo-Daro and Indus-River Valley.
* The Ancient Indian Literature and the impact of the literature worldwide.

**PSO: BA/BSc/B Com/BCA Part-II – Foundation English**

The paper focuses on the Ancient Indian Science and the cultural ethics of India. The paper acquaints students with:

* The fine knowledge of Ancient India
* Ancient Indian Scientists, Mathematics and Mathematicians, medicines, medical practices and the ancient texts based on the same
* The colonial Indian culture and the impact of the colonization on the Indian sub-continent
* The introduction of Western Science and Western Culture
* Modern Indian scientists and the contribution of the Indians in the development of the Modern Science
* The basic knowledge of the language with the fine grammar, phonetics and the vocabulary
* Students will collect much information on the Science in Ancient India with the knowledge of the English language

**PSO: BA/BSc/B Com/BCA Part-III – Aspects of English Language and Development**

The paper is a collection of essays on the general information and awareness; also it helps students to advance in the language. Students also get glimpse of the English Literature with the collections of short-stories in the prescribed book. The textbook also helps students in:

* Collecting the information on the development and the advancement of the modern technique
* The geography of the state, soil, crops and water
* General information on the types of pollution and the increasing water crisis
* The ethics and conducts of the day-to-day life
* English language and the basic genres of the literature
* Famous essayists and short-story writers
* Famous Indo-Anglian and Anglo-Indian writers
* Texts describing the achievements of the modern Indians
* The development of modern science and technique in India
* Sci-fi and other such forms of the literature
* Also, the learners will develop a positive attitude towards the future and love for learning
* Advance grammar, sentence formation and vocabulary.

**Department of Hindi**

**BA, BSc & BCom (PART – I, II & III)**

**FOUNDATION COURSE**

**(Hindi Language)**

**Program Outcomes (POs):** dk;ZØe ifj.kke

ch , **/** ch d‚e ch ,l lh f=o"kÊ; dk;ZØe esa ços'k ds bPNqd fo|kFkÊ dk;ZØe dh lQyrk iwoZd lekfIr i'pkr Çgnh Hkk"kk ds fo'ks"k lanHkZ esa l{ke curk gSA

ikB;Øe dk mnn~s';%&

mPp f'k{kk esa ikBîØeksa dks lkekftd çklafxdrk nsus ds fy, foÜofo|ky; vuqnku vk;ksx }kjk vuq'kaflr ekxZn'kÊ fl)karksa ds vuqlkj vkèkkj ikBîØe ¼fgUnh Hkk"kk½ dh 'kq:okr gqÃA ftldk mís'; fo|kÆFk;ksa esa lEçs"k.k dkS'ky ds fodkl ds lkFk gh lkFk] fofHkUu fo"k;ksa dh cqfu;knh voèkkj.kkvksa dk Kku rFkk ns'k dh laL—r] fojklr] Hkkjrh; thou ewY; vkSj lekt O;oLFkk] jkf"Vª; miyfCèk;ksa vkSj fodkl dh fn'kkvksa ds lkFk foÜo ds vkèkqfud ifj–'; dk cksèk tkx`r djuk gSA

1 Lukrd Lrj ij fo|kÆFk;ksa esa laçs"k.k dkS'ky ds fodkl ds lkFk gh lkFk fofHkUu fo"k;ksa dh cqfu;knh voèkkj.kkvksa ds fy, Hkk"kk dk vè;;u vfuok;Z gSA

2 dyk ds fo|kÆFk;ksa esa oSKkfud fodkl vkSj ledkyhu rduhdh çxfr dh tkudkjh nsuk gS rks foKku o okf.kT; fo|kFkÊ Hkkjrh; lkfgR; dyk vkSj laL—fr dh psruk ls ifjfpr djkukA

3 fo|kÆFk;ksa esa varj vuq'kklukRed Kku vkSj psruk ds lkFk ,d lekos'kh vkèkqfud Hkko cksèk vkSj lexz thou –f"V dk fodkl gks ldsA

4 Kku] fo"k;] oLrq] Hkkjr dh lkaL—frd fojklr] foKku vkSj fodkl'khy ns'kksa dh leL;kvksa ds ekè;e ls gh Çgnh ds Hkk"kk Kku laçs"k.k dkS'ky dk fodkl fd;k tk, A

5 fo|kFkÊ Çgnh ds :iksa ls ifjfpr gks ldsa mUgsa vius ledkyhu lkekftd vkSj ,sfrgkfld ifjos'k dh psruk Hkh fodflr gks ldsA

**Course Outcomes (COs):** ikBîØe ifj.kke

1 Çgnh Hkk"kk ds O;kdj.k fu;eksa dks le>uk rkfd fcuk =qfV;ksa ds Hkk"kk ds mi;ksx dks fodflr fd;k tk ldsA

2 ledkyhu vko';drkvksa ds lg;ksx ls Çgnh Hkk"kk o lkfgR; dks le>us ds fy, A

3 ;qokvksa ds chp Çgnh Hkk"kk dk mi;ksx dks c<+kok nsuk vkSj çlkj ds fy, A

4 çfl) lkfgR;dkjksa dh –f"V ls çsj.kknk;d thou n'kZu dks fodflr djuk A

5 dk;kZy;hu Çgnh ds ekè;e ls vfèkdkjh i= fy[kus ds dkS'ky dks fodflr djukA

6 cqfu;knh lwpuk dkS'ky dks v|ru vkSj foLr`r djus ds fy, rkfd fo|kFkÊ Çgnh daI;wÇVx ds egRo vkSj laHkkoukvksa ls ifjfpr gks ldsaA

7 vkÃlhVh dh enn ls Hkk"kk ds mi;ksx dks c<+kus ds fy, A

8 Hkkjrh; laL—fr vkSj ijaijk ds lkFk Çgnh esa laokn dkS'ky vkSj laçs"k.k dh n{krk vÆtr dj vf[ky Hkkjrh; vkSj jkT; lsokvksa dh çfr;ksxh ijh{kk esa lfEefyr gks ldsA

9 ikBîØe dks lekIr djus ds mijkar fuEufyf[kr ifj.kke fey ldrs gSa

10 Hkkjrh; Hkkjrh; yksd lsok vk;ksx dh çfr;ksfxrk ewyd ijh{kk esa cSBus dh ;ksX;rk çkIr gksuk

11 vuqoknd ds :i esa ns'k ds ç'kklfud O;oLFkk vFkok fofoèk {ks=ksa esa lgk;d ds :i esa fu;qfä

12 jpukRed ys[ku ds }kjk Hkkjrh; laL—fr vkSj lkfgR; ds {ks= esa viuk ;ksxnku ns ldrs gSaA

13 bl ikBîØe ds ekè;e ls fofHkUu ljdkjh mPp ljdkjh ,oa xSj ljdkjh laLFkku tSls

Hkkjrh; jsyos HkrÊ cksMZ] Hkkjr lapkj fuxe fyfeVsM] Hkkjrh; [kk| fuxe] la;qä j{kk vdkneh]

Hkkjrh; bLikr çkfèkdj.k vkfn ij dk;Zjr gks ldrs gSa

14 cSadksa esa fgUnh vfèkdkfj;ksa dh fu;qfä rFkk fofHkUu [ksyksa gsrq desUVsVj dh fu;qfäA

16 fQYe] nwjn'kZu] foKkiu] fMLdojh pSuy vkfn esa fgUnh esa MÇcx djus gsrq fu;qfäA

16 dqN cgqjk"Vªh; dEifu;ksa }kjk fgUnh Hkk"kk ds tkudkjksa dks çkFkfedrkA

17 Ldwyksa] egkfo|ky;ks] foÜofo|ky;ksa esa fgUnh vè;kiu&çkè;kiu gsrq f'k{kdksa&çkè;kidksa ds

:i esa fu;qfäA

**Program Specific Outcomes(PSOs):** dk;ZØe fof'k"V ifj.kke

**B.Com./B.Sc. /B.A.- I Year**

**F.C.- I Paper- (Hindi Language)**

**mís';**

ikBîØe la'kksèku dk vkSfpR; O;kdj.k ds cqfu;knh Kku laçs"k.k dkS'ky lkekftd lans'k ,oa Hkk"kkÃ n{krk dks è;ku esa j[krs gq, ;g ikBîØe çLrkfor gSA

1 iYyou la{ksi.k ikfjHkkf"kd 'kCnkoyh vkfn ds egRo o mi;ksfxrk ls voxr djkukA

2 dgkuh dfork O;ax ds ekè;e ls lkfgR; dh fofHkUu foèkkvksa ls voxr djkukA

3 dk;kZRed Çgnh mlds vuqç;ksxksa vkSj vuqokn çfØ;k ls ifjfpr djkukA

4 ljdkjh vFkok xSj ljdkjh dk;kZy;ksa esa i= O;ogkj ds fofHkUu :iksa ls voxr djkukA

5 nsoukxjh fyfi dh ,sfrgkfldrk o oSKkfudrk ls ifjfpr djkukA

6 daI;wVs'kuy Hkk"kk foKku ds ekè;e ls baVjusV o uohu rduhd ds mi;ksx gsrq l{ke cukukA

7 Çgnh Hkk"kk ds ekud :i o ekudhdj.k dh çfØ;k ls ifjfpr djkukA

**B.Com./B.Sc. /B.A.- II Year**

**F.C. – I Paper- (Hindi Language)**

**mís';**

ikBîØe la'kksèku dk vkSfpR; fo|kFkÊ pÆpr ,oa lqçfl) O;fä ds ys[k ds ekè;e ls lekt ,oa jk"Vª fgr ds lkFk&lkFk O;fäRo fodkl fo"k;d eqíksa ls ifjfpr gks ldsa rFkk O;kdjf.kd ,oa Hkk"kk fo"k;d çLrkfor ikBîØe ds ekè;e ls Çgnh Hkk"kk lacafèkr ç;ksx i{k ls ifjfpr gksrs gq, çfr;ksxh ijh{kkvksa dh –f"V ls KkuktZu dj ldsa (B.Com)

1 Çgnh Hkk"kk dks ç'kklu lapkj tuekè;e vkSj Kku foKku ds fofHkUu vuq'kkluks dh Hkk"kk #iksa ls ifjfpr djukA

2 Hkk"kk ds O;kikfjd jpukxr vkSj lkfgfR;d lanHkks± dks –f"Vxr j[krs gq, rFkk Nk=ksa esa ,sfrgkfld uSfrd oSKkfud rFkk lkaL—frd le> fodflr djus dh –f"V ls lkfgR; fucaèk :i dks j[kk x;kA

3 fons'kh Hkk"kk :iksa ls fo|kÆFk;ksa ds fy, jkstxkj dh laHkkoukvksa esa vfHko`f) gksxh rFkk Çgnh ds Hkk"k.k vuqç;ksxksa dk foLrkj Hkh gksxkA

4 fo|kÆFk;ksa esa Hkk"kk ds O;kogkfjd] jpukxr ,oa lkfgfR;d lanHkks± dks –f"Vxr j[krs gq, muesa ,sfrgkfld] uSfrd] oSKkfud rFkk lkaL—frd le> dks lkfgR; ds fucaèk :iksa ds ekè;e ls fodflr djukA

5 laKk loZuke fo'ks"k.k vkSj fØ;k fo'ks"k.k lafèk lekl ds }kjk Çgnh dk O;kdjf.kd ,oa O;ogkfjd Kku çnku djukA

B.Com./B.Sc. /B.A.- III Year

F.C. – I Paper-(Hindi Language)

mís';

vkèkkj ikBîØe dh lajpuk vkSj vfuok;Z ikBî iqLrd Çgnh Hkk"kk ,oa lelkef;dh dk la;kstu bl rjg fd;k x;k gS fd lkekU; Kku dh fo"k; oLrq fodkl'khy ns'kksa dh leL;kvksa ds ekè;e vkèkkj vkSj lkFk&lkFk Çgnh Hkk"kk dk Kku vkSj mlds laçs"k.k dkS'ky vÆtr fd;k tk lds A blh ç;kstu ls O;kdj.k dh varoZLrq dks fofHkUu foèkkvksa dh laxhr jpukvksa vkSj lEeku dk Kku dh ikBî lkexzh ds lkFk varxZr fd;k x;k gS A vè;;u vè;kiu ds fy, iwjh iqLrd dh ikBî lkexzh gS vkSj vH;kl ds fy, foLr`r ç'ukoyh gSA ;g ç'u i= Hkk"kk dk gS vr% ikBî lkexzh dk O;k[;kRed ;k vkykspukRed vè;;u visf{kr ugÈ gSA ikBîØe vkSj ikBîØe lkexzh dk la;kstu fuEufyf[kr ikap bdkb;ksa esa fd;k tkrk gSA

ikBîØe la'kksèku dk vkSfpR; fuèkkZfjr ikB dk vè;;u ,oa Çgnh Hkk"kk ç;ksx dh O;kogkfj ç.kkfy;ksa ls fo|kÆFk;ksa dks ifjfpr djkuk rFkk Hkk"kk ç;ksx dh lkeku v'kqf);ksa dks nwj djus dh –f"V ls ikBîØe rS;kj fd;k x;k gS fo|kÆFk;ksa ds fy, ikBîØe dk foLrkj cgqr T;knk uk gks bldk è;ku j[kk x;k gS (B.Com)

1 Çgnh Hkk"kk ds ç;ksx vè;;u rFkk vèkqukru Hkk"kk O;ogkjksa dh rFkk orZeku Hkkjr esa fofHkUu {ks=ksa ds fodkl ds vk;keksa dh tkudkjh nsukA

2 Çgnh Hkk"kk vkSj fodkl'khy ns'kksa dh leL;kvksa ls lac) lkekU; Kku ds ifjis{k esa Çgnh Hkk"kk

ds laçs"k.k dkS'ky dks çkFkfed :i esa egRo dks Kkr djukA

3 'kkldh; rFkk O;ogkfjd Hkk"kk Kku gsrq dFku dh 'kSfy;ka dk;kZy;] i=kpkj rFkk vuqokn çfrosnu fuea=.k i=ksa ds Lo:iksa dks jpuk xr ,oa ç;ksx xr vkèkkjksa ij le>ukA

4 Hkk"kk ,oa lkekU; Kku ds fo"k;ksa esa ,d:irk ykus ds fy, budk vU;ksU;kfJr la;kstu Hkh vè;;u ,oa vè;kid dh lqfoèkk ds fy, fd;k x;k gSA

**B.A. – Hindi Literature (**Çgnh lkfgR;**)**

**Program Outcomes (POs): कार्यक्रम परिणाम**

ch , Çgnh lkfgR; f=o"kÊ; dk;ZØe esa ços'k ds bPNqd fo|kFkÊ dk;ZØe dh lQyrk iwoZd lekfIr i'pkr l{ke curk gS A

1 Çgnh Hkk"kk o Çgnh lkfgR; ds bfrgkl o fodkl ls voxr gksuk A

2 Çgnh Hkk"kk ,oa mldh cksfy;ksa dk Kku rFkk Çgnh O;kdj.k ls ifjfpr gksuk A

3 x| foèkkvksa dgkuh ukVd miU;kl fucaèk ds ekè;e ls Hkkjrh; lekt èkeZ n'kZu

bfrgkl o ijaijk dk Kku A

4 leUo;okn ds fy, NÙkhlx<+h Hkk"kk o lkfgR; dh vuqdwyrk dks le>uk A

5 ledkyhu vko';drkvksa ds lg;ksx ls Çgnh lkfgR; dk cksèk A

6 çkphu dky ls vkèkqfud ;qx rd Çgnh dh voèkkj.kk dk ewY;kadu djus o lkfgR;

ds ekè;e ls lekt dks vkSj vfèkd fudV ls tkuus o le>us esa l{ke A

7 Çgnh lkfgR; ds vè;;u ds ekè;e ls çkphu eè;;qxhu o vkèkqfud Hkkjrh; lekt

dh lkekftd vkÆFkd vkSj lkaL—frd ifjfLFkfr;ksa ls voxr gksuk A

8 Çgnh lkfgR; ds ekè;e ls fo|kÆFk;ksa esa uSfrd ewY; lkekftd ewY; o jk"Vªh; ewY;ksa

ds çfr vkLFkk tkx`r gqÃ A

9 fo|kÆFk;ksa esa Çgnh Hkk"kk o lkfgR; dks le>us vè;;u vkLoknu vkSj ewY;kadu dh

{kerk dk fodkl gqvk A

10 Çgnh lkfgR; dh fofHkUu jpuk o jpukdkjksa dk ifjp; çkIr gqvk A

11 Çgnh lkfgR; fo|kÆFk;ksa esa ltZukRed {kerk o HkkoukRed fodkl esa lgk;d gS A

**Course Outcomes (COs):** ikBîØe ifj.kke

1 Çgnh lkfgR; dh fofoèk foèkkvksa ls ifjfpr gksuk A

2 lkfgR; ds iBu&ikBu ds ekè;e ls ewY;ksa ds egRo dks çnÆ'kr djukA

3 lkfgR; vkSj Hkk"kk ds ekè;e ls lkekftd eqíksa dk lekèkku djukA

4 fofHkUu lkfgR;dkjksa ds O;fäRo ,oa —frRo ls ifjfpr gksuk A

5 fo|kÆFk;ksa dks Çgnh dh ewy vkèkkj Hkk"kk,a rFkk fofHkUu cksfy;ksa ls voxr djkuk A

6 Çgnh Hkk"kk o lkfgR; ls tqM+h ,sfrgkfld lkaL—frd ikjaifjd lkfgfR;d 'kS{kf.kd

i`"BHkwfe dh ;k=k ls ifjfpr djkuk A

7 ikBîØe }kjk voljks dh miyCèkrk%&

1- ljdkjh laLFkkuksa ,oa lkoZtfud miØeksa esa fgUnh vuqokndksa ,oa fgUnh vfèkdkfj;ksa dh fu;qfäA

2- cSadksa esa fgUnh vfèkdkfj;ksa dh fu;qfä rFkk fofHkUu [ksyksa gsrq desUVsVj dh fu;qfäA

3 iVdFkk ys[kd]laokn ys[kd] foKkiu ys[kd ds :i esa fu;qfäA

5 çwQ 'kksèkd] fuosnd vkSj lw= lapkyd ds :i esa fu;qfäA

6 ÇçV ehfM;k ,oa bysDVªkWfud ehfM;k esa fofHkUu inksa esa fu;qfäA

7 fQYe] nwjn'kZu] foKkiu] fMLdojh pSuy vkfn esa fgUnh esa MÇcx djus gsrq

fu;qfäA

8 dqN cgqjk"Vªh; dEifu;ksa }kjk fgUnh Hkk"kk ds tkudkjksa dks çkFkfedrkA

9 Ldwyksa] egkfo|ky;ks] foÜofo|ky;ksa esa fgUnh vè;kiu&çkè;kiu gsrq f'k{kdksa & çkè;kidksa ds :i esa fu;qfäA

**Program Specific Outcomes (PSOs):** dk;ZØe fof'k"V ifj.kke

**ch , çFke o"kZ ¼Çgnh lkfgR;½**

**çFke ç'u i=& çkphu Çgnh dkO;**

**mís'; ,oa çLrkouk**

çkphu ls rkRi;Z gS vkèkqfud dky ls iwoZ dk dky A lgh vFkZ esa Çgnh Hkk"kk vkSj lkfgR; dk fodkl vkfndky ls 'kq: gksrk gSA blesa èkkÆed rFkk ,sfrgkfld nks çdkj dk lkfgR; feyrk gS tks çcaèk] eqäd ]jklks] Qkxq] pfjr] lqHkkf"kr vkfn fofoèk dkO;:iksa esa vfHkO;aftr gSA eè;dkyhu lkfgR; dh i`"BHkwfe ds :i esa bls çfr"Bkfir fd;k tkrk gS A

eè;dkyhu dkO; esa Hkfä dkO; tgka yksd tkxj.k dks Loj nsus okyk gS ogh jhfrdky vius vykSfdd J`axkfjdk ifj–'; esa rRdkyhu lkekftd] lkaL—frd] jktuhfrd fLFkfr;ksa dks csykSl vfHkO;aftr djrk gSA vr% Hkk"kk] laL—fr]fopkj] ekuork] dkO;:irk ] ykSfddrk& ikjykSfddrk vkfn –f"V ls bldk vè;;u vR;ko';d gSA

1 çkphu dkO; ds çfr fo|kÆFk;ksa ds eu esa vfHk#fp mRiUu djuk A

2 fo|kÆFk;ksa ds le{k eè;dkyhu dkO; dh ledkyhurk dks Li"V djuk

3 dchj ds çxfr'khy Lo:i o lkf[k;ka dh çklafxdrk dk o.kZu voxr gksukA

4 eè;;qx dh lkfgfR;d xfrfofèk;ksa ls voxr gksuk A

5 çkphu Çgnh dkO; Çgnh lkfgR; ds rhu dky [kaMksa ls ifjp; djkrk gSA

6 eè;dky dh dkO; ço`fÙk;ksa ,oa dfo;ksa dk lapf;r fd;k x;k gS

7 lwjnkl dh —".k yhyk }kjk thou& n'kZu dk o.kZuA

8 HkfäiaFk ds lkFk rqylhnkl dh jkeHkfä dk vkLoknu djukA

**f}rh; ç'u i= &**

**Çgnh dFkk lkfgR;**

**mís'; ,oa çLrkouk**

x| dh çeq[k foèkkvksa dk æqr fodkl budh yksdfç;rk dk çek.k çLrqr djrk gSA blesa vkèkqfud thou viuh fofoèk dfe;ksa ds lkFk ;FkkFkZ :i esa vfHkO;aftr gqvk gSA thou dh vuqHkwfr;ka laosnukvks rFkk ifjfLFkfr;ksa ds lk{kkRdkj ds fy, budk vè;;u loZnk visf{kr gSA

1 Çgnh dFkk lkfgR; ds fodkl;k=k ls voxr gksukA

2 ;FkkFkZ ds èkjkry ij fy[kh xÃ çsepan dh dgkuh tgka Hkkjrh; lekt ds dM+os

lp dk niZ.k gS ogh xcu esa VwVrs ewY;ksa ds vaèksjs esa HkVdrs eè;oxZ dh okLrfodrk ls ifjp; gksrk gSA

3 vkapfyd dFkk ds ekè;e ls dyk ds lEeku dh vkdka{kk o dykdkj ds ekuoh;

laosnuk ls lk{kkRdkj gksrk gSA

4 lafpr dgkfu;ksa ls ekÙk`& ân; dh osnuk ]Hkkjr&ikfdLrku foHkktu dh =klnh]

Lo ds foltZu rFkk fuEu eè;e oxZ ds cngkyh thou ls ifjfpr gksrs gSaA

5 fo|kFkÊ çfrfufèk jpukvksa ds }kjk ukjh ds Lora= O;fäRo mldk la?k"kZ mldk

Lokoyacu rFkk nkaiR; thou dh fo"kerkvksa voxr gq,A

6 fo|kFkÊ us lafpr dgkfu;ksa ds ekè;e ls thou ds fofHkUu igyqvksa dk o leL;kvksa

dks le>uk rFkk lekèkku Kkr fd;kA

7 çfl) lkfgR;dkjksa dh jpukvksa ds ekè;e ls xzkeh.k& txr o Hkkjrh; thou dh

lPpkÃ dks fpf=r djus dh dyk ls ifjfpr gq,A

**ch , f}rh; o"kZ ¼Çgnh lkfgR;½**

**çFke ç'u i= & vokZphu Çgnh dkO;**

çLrkouk

vkèkqfud dkO; vkèkqfudrk dh fo'ks"krkvksa dks lesVs gq, gSa A Lora=rk çkfIr ds iwoZ dh Hkko&Hkk"kk] f'kYi ]varoZLrq lacaèkh leLr fodkl èkkjk ;gka ltho :i esa ns[kh tk ldrh gSA bls vuns[kk djuk euq"; dh fodkl ;k=k dks utjvankt djuk gS bl ;k=k ds lk{kkRdkj ds fy, vkèkqfud dkO; dk vè;;u visf{kr gh ugÈ vfirq vfuok;Z gS A

1 fo|kÆFk;ksa dks vokZphu dkO; bl jpuk fojksèkh le; esa vfr miHkksäkoknh foifÙk vkSj nSR;kdkj VsDu‚y‚th dh Hkwy HkqyS;k esa Qals gq, euq"; dks mldh fLFkfr dk ,glkl djkrh gS A

2 jk"Vªçse] jk"Vªh; tkxj.k vkSj lekt lqèkkj dh psruk dh lqlaxr vkSj O;ofLFkr dkO;kRed vfHkO;fä lafpr jpukvksa esa ns[kh tk ldrh gS A

3 fo|kFkÊ vokZphu dkO; esa fofoèkrk dks Hkk"kk ]f'kYi vkSj dF; ds Lrj ij fodflr u, ç;ksxksa }kjk Kkr dj ldrs gSaA

4 Nk;koknh dfo lw;Zdkar f=ikBh fujkyk rFkk ç—fr ds lqdqekj dfo lqfe=kuanu iar dh ds O;fäRo ,oa —frRo ls ifjp; gksxkA

5 uÃ dfork ds 'kykdk iq#"k vKs; dh vkèkqfud lksp o rduhd us vkRecksèk dks

u, lkfgR; esa rFkk O;fä Lora=rk dks lkfgR; dh jpukRed laosnuk ds dsaæ esa

LFkkfir djus dh ps"Vk dk cksèk gksrk gS A

6 fo|kFkÊ dks gfjvkSèk dh fç; çokl jpuk }kjk fojgkuqHkwfr o jkèkk —".k ds yksdlsod :i ds n'kZu gksrs gSaA

7 Jhdkar oekZ dh exèk dh dfork,a vkReeaFku dk ekxZ ç'kLr dj exèk lÙkk vkSj

çfr"Bku ds ledkyhu pfj= dks fpf=r dj mldh =klnh dk c[kku djrh gSaA

**ch , f}rh; o"kZ ¼Çgnh lkfgR;½**

**f}rh; ç'u i= & Çgnh fucaèk rFkk x| foèkk,a**

1 ukVd fucaèk o ,dkadh ds fodkl dh foLr`r tkudkjh çkIr rFkk ukVd o ,dkadh ds eè; varj dk Li"V Kku gqvkA

2 Hkkjrsanq dk yksdfç; çglUu vaèksj uxjh esa rRdkyhu fczfV'k LosPNkpkjh vkSj

lkearh O;oLFkk ij fd;s x;s rh[ks O;aX; dk cksèk rFkk çglUu dh laokn

;kstuk xhr o jaxeaph;rk dks le>k ftlds dkj.k bls ukpk]ukSVadh] ;{k xku

vkfn fofoèk 'kSfy;ksa esa lqxerk ls çLrqr fd;k tk ldrk gSA

3 lafpr ,dkafd;ks es M‚ jkedqekj oekZ ds ,sfrgkfld ,oa euksoSKkfud ,dkadh

vkSjaxtsc dh vkf[kjh jkr ds fo"k; dks tkuk] HkqusÜoj ds çfrfufèk ,dkadh LVªkbd

esa eè;eoxÊ; nkaiR; thou dh foMacuk vkSj fojksèkkHkkl dk rh[kk vkSj çHkko'kkyh

fp= ns[kus dks feykA

4 y{eh ukjk;.k feJ ds ,d fnu ,dkadh esa vkèkqfudrk vkSj ijaijk ds }an dks]Hkê

th ds nl gtkj ,dkadh esa ledkyhu lkekftd thou dh foMacuk dks rFkk

M‚DVj yky ds lkekftd ,dkadh eEeh Bdqjkbu esa ukjh dh LokHkkfod gkÆndrk o

laosnu'khyrk ds y{k.k dks ns[kk tk ldrk gS A

5 vkpk;Z jkepaæ 'kqDy ds euksfodkj lacaèkh fucaèk Øksèk ds lkekftd Lo:i dh foLr`r O;k[;k dk cksèk gqvkA

6 gtkjh çlkn f}osnh us tgka yfyr fucaèk olar vk x;k gS ds ekè;e ls ç—fr dh olarghurk dks ns'k dh ;qok ih<+h ls tksM+ mudh meaxghurk ds dkj.kksa dks

ryk'kus dk ç;kl fd;k] ogh ml vejkÃ us jke jke dgh gS yfyr fucaèk esa

miHkksäkoknh ewY;ksa ls fc[kjrh gekjh uxjh laL—fr dks dSls xzkeh.k ewY;ksa }kjk

laj{k.k dk lq>ko ifjyf{kr gksrk gSA

7 NÙkhlx<+h yksd ukVî dks foÜo esa igpku fnykus okys gchc ruohj ds vonku dks tkuk tk ldrk gS A

**ch , r`rh; o"kZ ¼Çgnh lkfgR;½**

**çFke ç'u i=&tuinh; Hkk"kk lkfgR; NÙkhlx<+h**

**çLrkouk**

Çgnh dsoy [kM+h cksyh ugÈ gS cfYd ,d cgqr cM+k Hkkf"kd lewg gSA Çgnh txr esa vusd foHkk"kk,a] cksfy;ka vkSj micksfy;ka fo|eku gSa ftuesa iq"dy lkfgR; laink gS A buds lE;d vè;;u vkSj vUos"k.k dh vko';drk gS A tuinh; Hkk"kk NÙkhlx<+h fujarj fodkl dh vksj vxzlj gks jgh gS vLrq bl Hkk"kk vkSj blesa jfpr lkfgR; dk bfrgkl fodkl dks Li"V djrs gq, buls lacafèkr çeq[k jpukdkjksa dk vkykspukRed vuq'khyu djuk Çgnh ds o`gÙkj fgr esa gksxkA

1 çns'k dh jktHkk"kk NÙkhlx<+h Hkk"kk ds bfrgkl o fodkl ;k=k ls ifjfpr gksukA

2 NÙkhlx<+h Hkk"kk esa jfpr foiqy lkfgR; laink dks tkuus o vè;;u dk volj çkIrA

3 NÙkhlx<+h Hkk"kk ds çeq[k çkphu o vokZphu jpukdkjksa o mudh —fr;ksa ls ifjfpr gksukA

4 NÙkhlx<+ ds dchj dgs tkus okys çkphu dfo lar èkeZnkl ds dkO; esa lrxq# dh egÙkk o xq# Hkfä dh vfHkO;atuk ds n'kZu djukA

5 Jh y[ku yky xqIr ds lksuiku fucaèk ds ekè;e ls NÙkhlx<+ ds n'kgjk ioZ dh

lkaL—frd NVk dks Kkr fd;k tk ldrk gSA

6 lh[k lh[k ds xksB dfork ds ekè;e ls NÙkhlx<+h yksdksfä;ka dgkorksa vkSj eqgkojksa dk vè;;u fd;k tkrk gS tks xzkeh.k thou esa lh[k dh mi;ksfxrk dks n'kkZrh gSA

7 NÙkhlx<+h lkfgR; ,oa vuqlaèkku ds fodkl esa M‚DVj fou; ikBd ds vonku ls voxr gksukA

8 NÙkhlx<+h xty lkfgR;dkj eqdqan dkS'ky] lqanjyky 'kekZ] dfiy ukFk d';i

rFkk NÙkhlx<+h jaxdeÊ jkepaæ ns'keq[k ds O;fäRo ,oa —frRo ls ifjfpr gksukA

**ch , r`rh; o"kZ ¼Çgnh lkfgR;½**

**f}rh; ç'u i= & Çgnh Hkk"kk lkfgR; dk bfrgkl rFkk dkO;kax foospu**

çLrkouk

Çgnh Hkk"kk dk bfrgkl ftruk çkphu gS] mruk gh xq <+&xgu Hkh A blesa jfpr lkfgR; us yxHkx Ms<+ gtkj o"kks± dk bfrgkl iwjk dj fn;k gS blfy, Çgnh Hkk"kk vkSj lkfgR; ds ,sfrgkfld foospu dh cM+h vko';drk gSA blh ds lkFk &lkFk Çgnh us viuk tks Lora= lkfgR; 'kkL= fuÆer fd;k gS] mls Hkh :ikf;r djus dh vko';drk gSA blds laKku }kjk fo|kFkÊ dh eeZ xzkfg.kh çfrHkk dk fodkl gksxk vkSj ,sfrgkfld ifjis{; esa 'kq) lkfgfR;d foosd dk lfUuos'k gksxkA

1 Çgnh Hkk"kk dk mn~Hko& fodkl ,oa ,sfrgkfld i`"BHkwfe ls ifjfpr gksukA

2 Çgnh dh ewy vkèkkj Hkk"kk,a rFkk fofHkUu Hkk"kkvksa ds fodkl ls ifjfpr gksukA

3 Hkkjrh; vk;Z Hkk"kk ds dky[kaMksa ls voxr rFkk Çgnh dh fofHkUu cksfy;ksa ds oxÊdj.k o {ks= dh tkudkjh çkIr gqÃA

4 Çgnh Hkk"kk ds fofHkUu :iksa o Çgnh 'kCn HkaMkj ifjfpr gksukA

5 fo|kÆFk;ksa dks Çgnh lkfgR; ds bfrgkl ds dky foHkktu]ukedj.k lacafèkr

tkudkjh çkIr gqÃA

6 Çgnh ds fofHkUu dkyksa dh lkekftd] lkaL—frd] jktuhfrd ]èkkÆed fLFkfr rFkk

lkfgfR;d i`"BHkwfe ls voxr gksukA

7 Çgnh lkfgR; ds fofHkUu dkyksa ds çeq[k jpukdkj o mudh çfrfufèk —fr;ksa dk

rFkk lkfgfR;d fo'ks"krkvksa dk cksèk gksukA

8 fo|kÆFk;ksa dks dkO;kax ds varxZr dkO; dk Lo:i] dkO; ds rRo o dkO; ç;kstu

dk foospukRed vè;;u }kjk dk foÜokl dh tkudkjh çkIr djsaA

**,e-,- fgUnh**

Programme Outcome: dk;ZØe ifj.kke

1- Hkk’kk laLd`fr vkSj ;qx dh le> fodflr djukA

2- Hkkjrh; o ik’pkR; fofo/k nk’kZfud o oSpkfjd fl)karks dh le>A

3- ,sfrgkfld lanHkZ esa lkfgR; dh le> fodflr djukA

4- Hkk’kk] fyfi] O;kdj.k dk lexz KkuA

5- dEI;wVj esa fgUnh ds vuqiz;ksxA

6- O;olkf;d o okf.kfT;d fgUnh dk KkuA

Program Specific Outcomes (PSOs):dk;ZØe fof'k"V ifj.kke

**,e-,- fgUnh izFke lsesLVj**

1- Ikzkphu dkO;

fgUnh lkfgR; ds vkfndkyhu dkO; dk ifjp;] e/;dkyhu dkO; dk

ifjp; vkSj rkRdkfyu lkaLd`frd] lkfgfR;d] ,sfrgkfld vkfn

ijaijkvksa dk v/;;u foospuA

2- Nk;kokn ,oa jk"Vªh; dkO;/kkjk

fofo/k vk/kqfud fopkj/kkjkvks esa izogeku fgUnh dkO; vkSj dfo;ksa dk

leh{kkRed foospuA

3- fgUnh ukVd ,oa fuca/k lkfgR;

fgUnh x| lkfgR; dh egRoiw.kZ fo/kkvks esa ukVd ,oa fuca/k dh

egRoiw.kZ jpukvks o jpukdkjks dk v/;;u ,oa foospuA

4- Hkk’kk foKku

- Hkk’kk] Hkkf’kd O;oLFkk] Hkk”kk lajpuk vkfn dk Hkk”kk oSKkfud

v/;;u&foospuA nsoukxjh fyfi dk ifjp; vkSj ekudhdj.k dk

v/;;uA

5- fgUnh lkfgR; dk bfrgkl ¼vkfndky ls jhfrdky ½

vkBoh&uoha “krkCnh ls ysdj vk/kqfud dky ds iwoZ rd ds fodkl

ifjn`’; ds lkFk lkfgfR;d l`tu’kkhyrk ds fofo/k :iksa] izo`fRr;ksa

vkSj Hkk’kk “kSfy;ksa dk KkuA

**,e-,- fgUnh f}rh; lsesLVj**

1- e/;dkyhu dkO;&

fgUnh lkfgR; ds ^^Lo.kZ ;qx\*\* dh leh{kk vkSj egRoiw.kZ dfo;ksa o

jpkukvksa dk ifjp;A

2- Nk;koknsRrj dkO;

Nk;kokn ds Ik”pkr~ dh egRoiw.kZ dkO; /kkjk,W vkSj egRoiw.kZ

dfo;ksa&jpukvks dk v/;;u&foospuA

3- fgUnh miU;kl ,oa dFkk lkfgR;

egRoiw.kZ miU;klksa] dgkfu;ks vkSj jpukdkjksa dh leh{kk vkSj ;qxhu

lanHkZ dh le>A

4- fgUnh Hkk’kk

fgUnh Hkk’kk dk ,sfrgkfld] oSKkfud ifjp;A

5- fgUnh lkfgR; dk bfrgkl ¼vk/kqfud dky ½

vk/kqfud oSpkfjd ifjn`’; esa fgUnh dfork] fgUnh x| vkSj vkykspuk

dk ifjp; rFkk fofHkUu vk/kqfud dkO; izo`fRr;ksa ,oa jpukdkjksa dk

foospuA

**,e-,- fgUnh r`rh; lsesLVj**

1- Hkkjrh; dkO;”kkL=&

lkfgR; ds lS)kfUrd Lo:Ik dk ifjp; o foospu

2- dkedkth fgUnh ,oa vuqokn

fgUnh ds vk/kqfud dkedkth Lo:Ik dk ifjp;] dEI;wVj baVjusV

dk ifjp; vkSj fgUnh dk vuqiz;ksxA

3- Hkkjrh; lkfgR; dk lS)kfUrd foospu

fgUnhrj Hkk’kkvksa dk lkfgR; vkSj rqyukRed foospuA

4- NRrhlx<+h Hkk’kk vkSj lkfgR; dk lS)kfUrd Lo:i

jktdh; Hkk’kk vkSj lkfgR; dh v|ru tkudkjh o foospu

5- lS)kfUrd i=dkfjrk

lkfgR; dyk ds lkFk&lkFk jkstxkjijd i=dkfjrk ds {ks= dk

leqfpr v/;;uA

**,e-,- fgUnh prqFkZ l=**

1- Ik”pkR; dkO;”kkL=

fo'oiVy ij lkfgR; ”kkL= ls ifjp;A

fgUnh vkykspuk dk v|ru v/;;uA

2- Ik=dkfjrk vkSj ehfM;k ys[ku

Ik=dkfjrk vkSj ehfM;k ds {ks= esa fgUnh rFkk iz;kstuewyd fgUnh A

3- Hkkjrh; lkfgR; dh fofo/k fo/kk,W

fgUnhrj lkfgR; dk v/;;u vkSj Hkkjrh;rk ds lw=ks dh le>A

4- NRrhlx<+h ds izfrfuf/k dfo ,oa lkfgR;dkj

Izkknsf’kd jktHkk”kk ds lkfgR; dk v/;;uA

5- O;ogkfjd i=dkfjrk Ik=dkfjrk dk laiw.kZ ifjp;A

**Department of Economics**

**(Bachelor of Arts)**

Programme Outcome

By completion of the program, the students will able to understand the basic concepts, fundamental principles related to economics and their relevance in the day to day life.

Course Outcomes

On the completion of the course student will be able to:

* Understand the fundamental concepts of Economics
* Understand the theory of Production and Cost
* Understand the process of commercial and central Banking
* Study economic development and economic growth
* Study Economics of Environment, Ecology and pollution control

Programme Specific Outcome

B.A-I

**PSO -1 Paper-I Micro Economics**

1. Micro economics knowing the decision making of consumer.

2. Identifying the nature of revenue and cost of production.

3. Comprehending the demand function and production function.

4. Realizing various production theories.

5. Clarifying the meaning of Marginal, average, total revenue,

6. Marginal, average and total cost and its implication. Awareness of different markets structure.

7. Understanding pricing in different markets.

8. Judging the factor pricing.

**PSO -2 Paper-II Indian Economy**

1. Understanding characteristics, features, structural changes in Indian Economy.

2. Economy Comprehension of the nature and impact of New Economic Reforms on The Indian Economy.

3. Knowing the problems of unemployment, poverty, rising economic.

4. Social inequality and problems of regional imbalances in India.

5. Evaluating the changing role of agriculture, industrial and service sector.

B.A-II

**PSO -3 Paper-I Macro Economics**

1 Macro Economics identifying the basic concepts and theories of macro-economics.

2 Awareness about changing macro-economics policies and theories.

3 Understanding various concepts such as; GDP, GNP NNP, Personal

4 Income, Disposable Income, Per Capita Income, and National Income. Identifying the factors determining gross domestic product, employment

5 The general level of prices, and interest rates.

6 Realizing the law of markets, consumption function and investment

7 Function. Judging the role of fiscal policy and monetary policy in a Developing

8 Knowing features, phases and theories of trade cycles.

9 Evaluating types, merits and demerits of taxes.

10 Comprehending the role of public finance in developing economy.

**PSO -4 Paper-II Money Banking and Public Finance**

1. Understanding the meaning, function and role of commercial banking.

2. Comprehending the procedure of an account opening, operating and closing

3. Knowing the structure, function and role of RBI in economic development.

4. Judging the progress of financial inclusion.

5. Evaluating the importance, characteristics and components of the financial Market.

BA-III

**PSO -5 Paper-I Development and Environmental Economics**

1. Understanding the role and types of development banks and non-banking financial intermediaries.

2. Identifying recent trends in Indian Banking such as E- Banking, MICR.

3. Understanding the efficiency and equity implications of market interference, including government policy.

4. Developing research knowledge in economics.

5. Developing the knowledge about theories of economic growth and development policies.

**PSO -6 Paper-II Statistical Methods**

1. Research Methodology understanding the basic framework of research process.

2. Defining various research designs and techniques.

3. Identifying various sources of information for literature review and data collection.

4. Discussing the ethical dimensions of conducting applied research.

5. Appreciating the components of scholarly writing and evaluate its quality.

6. Knowing various aspects of Research in Economics.

7. Understanding various data analysis techniques (Mean, Mode, Median, Range, Standard Deviation, Karl person coefficient of correlation).

8. Ability to interpretation of data and report writing.

MASTER OF ARTS

ECONOMICS

COURSE OUTCOME:

On completion of the course, Students will be able to:

* Understand the concept of Globalization.
* Understand concept of budget and deficit finance.
* Understand economics of Agriculture.
* Understand Micro and Macro-economic analysis.
* Understand classical and Keynesian theories of output and employment.
* Detailed study of Inflation and Business Cycles.

PROGRAMME OUTCOMES:

* The students should be able to analyze the socio-political and economic issues related to national and international scenario.
* Apply supply and demand analysis to examine the impact of government regulation.
* Curriculum helps to create the capacity to Work effectively in a multi-disciplinary environment.
* The students should able to find a career in Economics.
* The students should be able to understand how the economic policies affect the common people through the societal interactions.
* Understand the circular flow model and use the concepts of aggregate demand and aggregate supply to analyze the response of the economy to disturbances.

PROGRAMME SPECIFIC OUTCOMES:

SEMESTER – I

PSO-1 Subject- Micro Economics I

1. Students should be able to develop knowledge about production, demand, market and pricing.
2. Students should be able to develop knowledge about monetary policy and its implications in economy.
3. Students should be able to develop knowledge about economic planning in India and recent changes in our economy.
4. Gain knowledge regarding the implications of mathematical tools in economic planning.

PSO-2 Subject- Macro Economics I

1. Concepts and methods of National income accounting.
2. Theories of aggregate income and employment.
3. Theories of consumption function and investment spending.
4. Rate of interest- Classical, Keynesian and IS-LM Model.
5. Basics of international trade -open economy and closed economy, balance of payments.

PSO – 3 Subject- Quantitative Methods

1. Basic concepts of statistics such as measures of central tendency, dispersion, skewers and kurtosis.
2. Elementary probability theory including probability distributions.
3. Methods of sampling and census.
4. Correlation and simple regression
5. Index numbers.

PSO-4 Subject- Indian Economy

1. Students should be able to develop knowledge about the role of International trade in economic.
2. Helps to understand the basic theories of economic growth and development.
3. Students should be able to develop knowledge about the recent trends in banking trends.
4. Students will understand the use of mathematics and statistics in economic analysis.

PSO-5 Subject- Industrial Economics

1. Classical trade theories- Adam Smith’s absolute advantage, Ricardo’s comparative advantage, Neo-classical models, offer curve, Huckster-Ohlin theorem.
2. Terms of trade and gain from trade, Perish-Singer views on deterioration of terms of trade, Myrdal’s theory of backwash effect and growth
3. International trade policy- free trade and protection, globalization, capital movements
4. Foreign exchange markets, exchange rates, balance of payments
5. Evolution of international monetary system.

SEMESTER –II

PSO- 1 Micro Economics II

1. To analyse the cost conditions of the industries
2. To understand the decision making in market
3. To understand the concept of input output analysis
4. To give awareness about the market conditions
5. 5 To insist an entrepreneurial skill among the students
6. To provide an idea about how externalities affect the market
7. To introduce the general equilibrium concept
8. To make aware how decision making leads to social welfare
9. To provide an idea about how lemon market influence the general market
10. To provide an idea about distribution theory

PSO-2 Macro Economics II

1. To provide knowledge about monetary transactions
2. To understand the theories of inflation
3. To understand about the unemployment problem
4. To understand about the macro economic principles
5. To provide knowledge about business cycle.
6. To provide knowledge about goods market and money market equilibrium

PSO-3 Research Methods and Computer Application

1. To introduce the basic principles of fiscal economics
2. To understand the difference between public and private finance
3. To understand the source of public expenditure
4. To understand the source of public revenue
5. To make awareness about budget preparation

PSO-4 Indian Economic Policy

1. Students should be able to develop knowledge about the role of International trade in economics.
2. Helps to understand the basic theories of economic growth and development.
3. Students should be able to develop knowledge about the recent trends in banking trends.
4. Students will understand the use of mathematics and statistics in economic analysis.

PSO-5 Labour Economics

1. Analyse the nature and scope and significance of labour markets in developing countries.
2. Analyse the nature and scope of Industrial Relations
3. Describe the different theories of wage determination
4. Analyse the level of discrimination in labour market in India
5. Restate the concept of social security and social insurance
6. Analyse the impact of economic reforms on labour market.
7. Describe the evolution of machinery for labour administration in India
8. Restate and analyse the origin of International labour organization
9. Knowledge about labour problems and helps to develop employability skill

SEMESTER –III

PSO- 1

Economics of growth

The Student will be able to Understand:

1. The Concepts of Economic Growth and Development.
2. The Concept of Capital Output Ratio, Input-Output Analysis, Project Evaluation and its methods and Cost–Benefit analysis, Shadow Prices.
3. The Theories of Growth Harrod-Domar model,Joan Robinson model, Mead’s Neo -Classical Model, Solow Long- Run, Kaldor model of Distribution.
4. The Approaches to Growth:- Kaldor model of Growth, The Pesinetti Model of Profit and Growth, The Models of Technical Change, The Golden rule of Accumulation model.
5. Steady State Growth, Growth Accounting, The Friedman Model, The Mahalanobis Four Sector Model.

PSO- 2

International trade

The Student will be able to Understand:

1. Theory of International Trade.
2. Modern Theory of International Trade.
3. The Theory of Intervention.
4. Balance of Payments.
5. Income Adjustment.

PSO- 3

Public Finance

The Student will know about

1. Definition, Nature and scope of Public Finance.
2. Public Expenditure.
3. Public Revenue.
4. Public Debt.
5. Budget– Meaning, Objectives,Types.

PSO-4

Environmental economics

The Student will know about

1. The Economics of Environment
2. Economic Theory of Environmental Issues
3. Population, Agriculture and The Environment
4. Ecological Economics, National Income and Environmental Accounting
5. Environmental Value and Methods

PSO-5

Demography

The Student will know about

1. Demography – Meaning and Importance
2. Migration
3. Mortality
4. Fertility
5. Women Empowerment

SEMESTER –IV

PSO- 1

Economics Of Development And Planning

The Student will be able to Understand

1. Economic Planning
2. Theories of Development
3. Approaches to Development
4. Development Models
5. Investment Criteria in Economic Development

PSO- 2

International Economics

The Student will know about

1. Foreign Trade and Economic Development
2. Regionalism of European Union
3. Theory of Short Term & Long Term Capital Movement and International Trade
4. International Monetary System
5. International Organisations

PSO- 3

Public Economics

The Student will know about

1. Role of Public Finance in Economic Devel opment
2. Federal Finance
3. Indian Tax System
4. Analysis of Centre & Chhattisgarh Government
5. Financial Responsibilities and Budget Management Act

PSO-4

Economics of Social Sector

The Student will know about

1. Pollution, Global Environmental Issues
2. Development and Environment
3. Economics of Resources
4. Economics of Education
5. Health Economics

PSO-5

The MA students in the fourth semester would be required to appear for a Viva-Voce examination before the external examiner appointed by the University for marks of 100(Hundred). Viva-Voce will be conducted by the Department as per the rules and regulations of the University