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GOVT. PT. MADHAV RAO SAPRE COLLEGE, PENDRA ROAD  
DISTT. - BILASPUR (C.G.)

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## PROGRAM OUTCOME

### Hindi Language

#### COURSE OUTCOME

UG (B.A. AND B.Sc.)

- Knowledge of Hindi language and script.
- Practical usage of Hindi and development of theoretical comprehension.
- Technical Vocabulary and Translation.
- Use of Hindi in Computer.
- Hindi and its different forms – Introduction of Creative language, Communicative language, Official language, Financial and Commercial language
- Writing of news reports and article.
- Under the scheme of Skill development knowledge of Hindi language provides the prospect of employability as a translator.

### English Language

#### COURSE OUTCOME

UG (B.A. AND B.Sc.)

- Proficiency in reading and writing.
- To develop effective skills better social interaction and incalculable self directed learning.
- Analyze language at different language levels.
- Teach them the zeal of creativity by teaching them how to write.

### Environmental Studies

#### COURSE OUTCOME

UG (B.A. AND B.Sc.)

- To acquire awareness of the environment as a whole and its related problems.
- To know ecology and environment of India and world.
- Effect of pollution on environment.
- Conservation of Flora and Fauna.

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## B.Sc. Mathematics

- (1) It provides a base for higher studies and refines the brain of students in comparison to other students as study of mathematics helps to increase the act of logical thinking.
- (2) Students can apply their knowledge in other branches of study as mathematics find application in every field of knowledge.
- (3) Students of science have greater chance of employment e.g. in finance and investment, teaching, keep up mathematical knowledge in the changing environment of technology.
- (4) Study of mathematics enhances personal development. One learns to develop skills and time management.

### COURSE OUTCOME

#### B.Sc.Part One

##### Calculus :

- By learning the topics taught in this paper student learns how to tackle problems of successive differentiation in other branches of science. Topics like curvature and curve tracing find applications in a number of research fields. Vector calculus too is very useful in building the concepts of Physics.
- In integral calculus student learns to find length, area, volume and surface of revolution of standard curves. A student can apply his knowledge of calculus in physics, chemistry, statistics and can also create mathematical models in order to arrive into an optimal solution.
- To Identify and solve the first order and first degree linear differential equations
- To find orthogonal trajectories.
- To solve exact and differential equation of second order simultaneous equations

##### Algebra:

##### Student will be able to

- Apply De Morgan's theorem on functions properties of direct inverse and hyperbolic function.
- To find the logarithm of complex quantities.
- To expand trigonometric function.
- To solve the problem of roots and coefficient of polynomial of the variables.
- To solve the cubic equations.
- To transform different kinds of polynomials.
- To define mapping relations congruence modulo.

  
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- To find gcd of problems based on congruence modulo.
- To define group, subgroup and properties.
- To find order and generator of group.
- To use of cosset decomposition in the langrage's theorem.
- To understand zoomorphism and isomorphism.
- To construct normal, quotient group.
- To find kernel of Homomorphism

**B.Sc. Part Two**

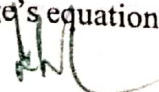
**Advanced Calculus:**

- The topics taught in this paper serve as pivot for other branches of science. For example partial differentiation, Laplace's transformations are few topics in which student must have a good knowledge to understand the concepts of Physics, Chemistry etc.
- Topics taught in this paper like envelope, evolutes, Beta function, Gamma function have been introduced to handle the topics in Physics.

**Differential Equation:**

**Students will learn**

- To solve the differential equation by power series frobeniens method.
- To solve Bessel's, Legendre's equation.
- Familiar with generating function recurrence relation.
- To solve orthogonality strum- Liouville problem.
- To find Laplace transform.
- To find inverse Laplace transform.
- To apply shifting theorem to solve problems.
- To solve differential equation with the help of Laplace transform.
- To solve differential equations of first order.
- To solve equation with Lagrange's and char pits method.
- To solve D. E of second and higher orders.
- To classify D. E , reducible to equation with constant Coefficient.
- To define proximity, maximal's, externals.
- To solve boundary value problem with the help of Euler's Lagrange's equation.
- To find the externals.

  
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## B.Sc. Final

### Analysis


#### Students will learn

- To perform basic mathematical operation on complex number
- To define continuity and differentiability..
- To define analyticity, find CR equations.
- To find harmonic function.
- To formation of analytic function with the help of Milne Thomson method.
- To identify different type of Elementary function.
- To decide when and where are given function is analytic.
- To understand the metric space properties and able to verify whether a given function is metric.
- To explain the geometric meaning of metric.
- To distinguish between open and closed balls.
- To define convergence for sequence in a m s.
- Continuity of a function between two m s.
- To understand contraction principle, dense, subsets, separable space.
- To understand FIP, continuous function, compact set.

### Abstract Algebra

#### Students will learn

- To explain linear transformation and their representation as matrices.
- To find the rank and mobility.
- To find the basis.
- To evaluate Eigen values at Eigen vector of LT
- To formation of inner product spaces
- To distinguish the orthogonal set
- To orthogonalize the finite dimensional vector spaces..
- To precise and accurate mathematical definition of object in ring theory.
- To use definition to identify and construct examples.
- To analyze and demonstrate example of Ideals and quotient rings.
- To use rings like polynomial and modular rings.

  
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- Use concept of homomorphism, isomorphism for rings.
- analyze finite and infinite dimensional vector space subspace over field ,including properties structures of vs.
- Compute Eigen values and eigenvectors and applied the basic diagonalization.
- Compute inner product including Graham Schmidt process.

**B.Sc. PHYSICS**

**PROGRAM OUTCOME**

The main mission of the U.G. degree program is to understanding of core knowledge in physics, including the major premises of classical mechanics, quantum mechanics, electromagnetic theory, Basic electronics, optics, special theory of relativity and modern physics.

- ✓ Students will demonstrate written and oral communication skills in communicating physics-related topics.
- ✓ Students will design and conduct an experiment (or series of experiments) demonstrating their understanding of the scientific method and processes. Students will demonstrate an understanding of the analytical methods required to interpret and analyze results and draw conclusions as supported by their data.
- ✓ Students will demonstrate a thorough understanding of the analytical approach to modeling of physical phenomena.

**B. Sc. Part - I**

**Physics Paper I: Mechanics I**


After completing this course student will able to

- 1: Understand and recognize scalar and vector physical quantities.
- 2: Understand and able to apply the ordinary differential equations to physical Problems
- 3: Understand the Newton's laws of motion.
- 4: Understand the conservation of momentum and energy and related physical phenomenon.
- 5: Understand the rotational motion, moment of inertia and able to determine the M. I. of various systems in rotational motion.
- 6: Apply gravitational laws to a physical problem
- 7: recognize simple harmonic motions in nature and solve their equations
- 8: Understand Properties of matter (e.g. elasticity and surface tension) and apply this knowledge to physical problem.

**Physics paper II**

**Electricity and Magnetism**

- 1: Prove and apply Gauss, Stokes and Greens theorems
- 2: understand electrostatic field and potential and determine the same for different physical bodies.

  
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3: Capacitor and its types

4: Energy in electrostatic field.

5: Solve and build desired A. C. circuits

6: Get knowledge of magnetic effect of electric current and different magnetic materials

7: Understand how different energies will convert into electrical energy using magnetic field

8: Able to understand Maxwell's equations and its applications.

9: Students know the basic concepts about Electromagnetic waves.

10: Students are able to understand concept of Poisson's & Laplace's equations and its Solutions.

11: Understanding the various laws like Faraday's Law, Lenz's Law and Biot Savart's Law.

12: Students learn the basic Maxwell's equation and its physical significance.

## B. Sc. Part - II

### Physics Paper I :

### Thermal Physics and Statistical Mechanics

After completing this course student will

1: Understand kinetic interpretation of temperature, Andrew's Expt. and different types of thermometers.

2: Understand kinetic theory of gases and concept of Transport phenomena.

3: Understand thermo-dynamical state, thermodynamic equilibrium, various thermodynamic processes and first law of thermodynamics.

4: Understand second and third laws of thermodynamics, Carnot's theorem, working of Carnot's engine, Otto engine and diesel engine and concept of entropy.

5: To understand various thermo dynamical functions, Maxwell's Relations, Joule-Thompson effect and Clausius- Claperyon Equation.

6: To understand Black body radiation, Planck's law, Rayleigh-Jean's law, Stefan Boltzmann law and Wien's displacement law.

7: To understand Phase Space, Macrostate, Microstate, Ensembles, Priori Probability.

8: To understand thermodynamic Probability and Maxwell Boltzmann Distribution law.

### Physics Paper II: Waves and Optics

This course will enable Students to:

1: Understand SHM and its solution, superposition principle and Lissajous figures and their uses.

2: Understand travelling and standing waves on a string, plane waves and spherical waves

3: Understand define transducers and their types, to understand concept of acoustics of buildings, Sabine's experimental work and reverberation time.

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- 4: Understand the Piezo-electric effect, detection of Ultrasonic waves and applications of ultrasonic waves.
- 5: To Learn measuring skills in practical.
- 6: understand the wave particle duality and its quantum mechanics.
- 7: To understand the length of vibrating air columns, Resonance and can measure velocity of sound.
- 8: To determine thermal conductivity, temperature coefficient of resistance, thermo-emf and specific heat.


**B. Sc. Part - III**

**PAPER I: QUANTUM MECHANICS, ATOMIC, MOLECULAR SPECTRA AND NUCLEAR AND PARTICLE PHYSICS**

- 1: Students understand the idea of wave function & uncertainty relations.
- 2: Students clear the some concepts of physics by quantum mechanics.
- 3: Understand the difference between Classical & Quantum Mechanics.
- 4: Students solve problems on barrier potential well, one and three dimensional potential well.
- 5: To understand the Schrodinger's equation for hydrogen atom.
- 6: Develop a basic understanding of physics of atoms and molecules: definitions, units, laws and rules.
- 7: Identify atomic effect such as Zeeman effect, Paschen-Back effect and Raman effect.
- 8: Understanding of basic concepts of Astronomy & Astrophysics
- 9: Analyze the spectra of diatomic molecules such as electronic, rotational, Vibration spectra.
- 10: Students are able to understand the size of nucleus and all its properties.
- 11: Students know various method of accelerating various types of particles.
- 12: Understanding the construction & working of Nuclear Detectors.
- 13: Students are able to understand the different Nuclear Energy Levels.

**Physics Paper II: SOLID STATE PHYSICS, SOLID STATE DEVICES AND ELECTRONICS**

- 1: develop a clear concept of the crystal classes and symmetries
- 2: understand the relationship between the real and reciprocal space
- 3: calculate the Braggs conditions for X-ray diffraction in crystals


  
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- 4: create understanding of electronic and vibrational properties of solid state systems.
- 5: Understand Band theory of solids and use in different physical phenomenon.
- 6: Understand construction, working and applications of IC
- 7: Understand conversion of solar energy into electric energy, photovoltaic cell, solar PV system and solar potentials.
- 8: understand different types of disorder in the crystalline solids and it's important.
- 9: gain basic knowledge of Digital circuits .

#### Programme Specific Outcomes

The Department of Physics recognizes that curriculum, course content and assessment of scholastic achievement play complementary roles in shaping education. The department is of the view that assessment should support and encourage the goals such as basic knowledge of the discipline of Physics including phenomenology, theories and techniques, concepts and general principles. This should also support the ability to ask physical questions and to obtain solutions to physical questions by use of qualitative and quantitative reasoning and by experimental investigation. The important student attributes including appreciation of the physical world and the discipline of Physics, curiosity, creativity and reasoned skepticism and understanding links of Physics to other disciplines and to societal issues should give encouragement. With this in mind, we aim to provide a firm foundation in every aspect of Physics and to explain a broad spectrum of modern trends in physics and to develop experimental, computational and mathematical skills of students. The programme also aims to develop the following abilities:

- 1: Read, understand and interpret physical information – verbal, mathematical and graphical.
- 2: Equip students in methodology related to Physics.
- 3: Impart skills required to gather information from resources and use them.
- 4: To give need based education in physics of the highest quality at the undergraduate level.
- 5: Perform experiments and interpret the results of observation, including making an assessment of experimental uncertainties.
- 6: Provide an intellectually stimulating environment to develop skills and enthusiasms of students to the best of their potential.
- 7: Use Information Communication Technology to gather knowledge at will.
- 8: Attract outstanding students from all backgrounds.

  
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**B.Sc. Zoology**

**PROGRAM OUTCOME**

- After completion of the program, the students will able to
- Understand the scientific terms, concepts, facts, phenomenon and their interrelationships
- Understand systemic position and organization of animals through study of classification
- Know and appreciate life processes governing life from acellular, multicellular and tissue grade organization
- Apply the subject knowledge for day to day use
- Develop skills and abilities in practical work, handling instruments in laboratory experiments
- Appreciate the tenets of the subject, contribution of scientists and scientific programs

**B.Sc. Botany**

**PROGRAM OUTCOME**

- Terminology, phenomenon, concepts and classification of plants and its scientific importance.
- Introduction and awareness of the related flora (Biodiversity)
- Practical aspects and knowledge of cell division and growth of plants.

**COURSE OUTCOME**

**1. Biodiversity (Microbes, Algae, Fungi and Archegoniate):-**

Understanding regarding Microbes, Algae, Fungi, Bryophytes, Pteridophyta and Gymnosperms including general characteristics, classifications, morphology and anatomy reproduction and economic importance.

**2. Cytology, Genetics and Molecular Biology:-**

Knowledge of cellular organization and their role in governing cellular processes. Knowledge of genetics, genetic interactions and basic genetics at molecular level.


**3. Utilization of plant Resources:-**

Basic idea of Ethno botany folk medicines, herbal medicines. Study of Phernocognosy of medicinally important plants. Assignments based on ethnic herbal medicinal plants.

**4. Ecology and Systematic Botany :-**

Knowledge of ecosystem, plant communities, phytogeography, ecological factories and pollution study. Introduction with Hydrophytes and Xerophytes and approaches to the plant collection. Taxonomic description and Modern taxonomy.

**5. Anatomy, Embryology and Economic Botany:-**

  
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Knowledge of tissue, normal and abnormal secondary growth, embryology and cultivation of major cereals pulses vegetables spices timber and medicinal plants of Chhattisgarh state. Embryological slide preparation. Plants collection. Internal structure of Dicot and Monocot root stem and leaf etc.

#### 5. Plant Physiology and Biotechnology:-

Knowledge of plant water relation, metabolism, growth regulators, light and temperature effect and fundamentals of Biotechnology.

## Chemistry (B.Sc.)

### PROGRAM OUTCOME

To study about the different areas of science.

- Gain the knowledge of chemistry through theory and practicals.
- To explain nomenclature, stereochemistry, structure, reactivity and mechanism of chemical reaction.
- To study the periodic properties of elements, geometry of molecules, characteristics of molecules.
- To study the fundamentals of reaction mechanism, aromaticity, stereochemistry, synthesis and applications of various organic compounds.
- To develop skills in different laboratory analytical works and handling instruments.

### B.Sc. Chemistry Course Outcome

#### Paper I- Inorganic Chemistry

Knowledge of Atomic structure, basic periodic table, chemical bonding, knows about S, P, D block elements, knowledge of transition elements. Knowledge of Lanthanides, Actinides, Acids, Bases, Solid State, Non-aqueous solvents, Hard and soft acids and bases, knowledge of Bio inorganic, Knowledge of Metal ligands bonding in transition metal complexes.

#### Paper II- Organic Chemistry

Mechanism of organic reactions, Stereochemistry of organic compounds, aromatic ring compounds, Alkyl and aryl halides, Alcohols and phenols, Aldehydes and ketones, Carboxylic acids and their derivatives, Organic compound of nitrogen, Heterocyclic compounds, Amino acids and peptides, carbohydrate dyes, Polymers, Proteins and nucleic acids.

#### Paper III- Physical Chemistry

Mathematical and Computer concept for chemist, Ideal and non ideal solutions, Liquid crystal, Colloidal state, Chemical kinetics and catalysis, Thermodynamics and Thermo chemistry, Phase equilibrium, Electrochemistry, Physical and magnetic properties, Raman spectra, Photochemistry, Spectroscopy.

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**ARTS FACULTY**

In our college there is study centre of Hindi Language & literature. Hindi language connects many works in diversity. It is base of national integrity. It gives opportunity to introduce India & Indian culture.

Study of applied Hindi helps students to work in education department as Hindi officer & translators also. Students follow work of journalism in different area. Hindi as contact language is popular in foreign country also. In the field of excursion it is also popular.

Political Science Department is running Two Programs namely B.A. and M.A.  
**Department of Sociology**

**Program Outcome :-** Sociology learning provides initial knowledge about society, social life and social interactions. It prepares an individual to social life by inculcating values, morals, and manners. It gives knowledge about communities in which he interacts like rural urban and tribal communities.

**Program Specific outcome :-** The study prepare an individual become useful member of, society and Nations at large. It highlights various problems prevalent in society and measures to come out of it.

1. **Principles of sociology :-** The students are able understand origin of concept sociology and its scientific nature and its relationship with other social sciences and its branches. The basic concepts like social structure, function, values and role and status .It also helps to understand social control agencies and their influences and culture, its elements and socialization processes.
  2. **Social institutions and social change :-** It helps to understand various social institutions like marriage, family, kinship, religion and education and their important role in the society. These institution guides members from birth to death. It also helps to study social change and theories of social change.
  3. **Indian society rural and urban :-** It enlightens about Indian society both rural and urban, its features and different types problems and possible solutions. It also helps to understand aboriginals and their identical features and problems. It gives knowledge about urban infrastructure.
  4. **Indian social problems :-** It enables students to understand various social problems that prevail in the Indian society. The major problems like family disorganization, crime, juvenile delinquency, child labour and problems of aged possible are discussed and possible solutions are suggested.
  5. **Methods in social research :-** As sociology is science it is based on social facts. social research methods helps to understand what is research ,methods of collection of data and how data collection techniques are used in collection of data and social facts .It also guides regarding writing report.
  6. **Indian society welfare and development :-** It helps to understand the concepts like social welfare and development and agencies of social welfare The student is able to understand various welfare programmes for both rural and urban India. It also helps understand welfare programme to weaker section of India.
- Sociological thoughts :-** It enables the learners to understand social thought and

sociological theories. The founding fathers of sociology and their contribution for the development of sociology as an independent science.

8. **Gender dynamics:-** It helps to know the concept sex and gender. The learner is able to understand status of women in Indian society and women and social institution and various feminist theories. It also enlighten important gender issues in India and policies related to women empowerment.

**Department of English:-**

**COURSE OUTCOME :-**

The Department of English of SSM seeks to foster the intellectual development of its students by encouraging study of literature and writing. The Department strives to make its pass and honours programme students familiar with a wide range of works of British writers in particular and World literature in general with a special focus on Indian writings in English. The issues of culture, history, gender, race, ethnicity, politics are addressed and negotiated in the process of imparting knowledge of English literature. The Department wishes that each student who graduates with English literature in BA will have an enduring interest in language and literature, an awareness of their historical and cultural legacies, knowledge of complexities of human existence, the political and social upheavals and its bearing on literature, an understanding of the ability of great literature to arouse and challenge people to struggle with insightful questions of human identity and values.

**PROGRAM SPECIFIC OUTCOME:-**

English Literature course in the Department of English expose students to a wide range of writing from British, American and Indian English traditions. It helps students explore how writers use the creative resources of language-in fiction, poetry, nonfiction prose, and drama-to explore the entire range of human experience. Students are expected to strive, to be imaginative, rhetorically dexterous, and technically proficient and as a result, to gain a deeper insight into life. Students' engagement with various strategies of drafting and revising, style of writing and analytical skills, diagnosing and developing scholarly methodologies, use of language as a means of creative expression, will make them effective thinkers and communicators — qualities which are crucial for choosing careers in our information-intensive society.

1. **Reading:-** Students will gain awareness about the best literary traditions of the world. By learning how others live and handle their lives, one becomes connected with the world in a way we might not otherwise experience. They will discover that they are part of a huge conglomerate of human thought and emotion. All the great texts that a student of English Literature will get chance to study will expand their range of experience. They can gain courage and strength by living vicariously through well-developed characters. Through reading students will have an awareness for various perspectives. This will also expand their range of experience and in the process they will learn to be more empathetic toward the plights of others.

2. **Literature, Nation and Tradition:-** The current syllabus in the UG level will provide students an opportunity to know the literary and cultural tradition of various nations through their exposure to literary texts and literature in translation. How reading literature in English can be an effective means to address the complex issues of identity, nationalism, historical tradition is a new focus area of the present course

- 3. **Awareness about Culture and History:** Students gain an understanding of the relations between culture, history and texts. They learn to use texts as a gateway to various cultural traditions and interpret them in their historical contexts. How a literary text can appear as an ideal platform to locate dominant and marginalized voices of a society, is an important focus of the under-graduate literature programme.
- 4. **Gaining of Critical Insight:** An exposure to various social and cultural traditions and through the reading of representative texts from different periods help a student gain a critical insight about the reality as a whole. With the help of their Knowledge of various critical theories it is expected that they will be able to construct their own meaning about the reality and his historical situatedness.
- 5. **Issue of Gender:** Literature course teaches a student to believe that one's own sense of identity is not enough to persuade the rest of the world to agree. Human beings are no longer bound by such binary concepts as male-female or masculine-feminine. They will learn that gender is a biological concept based on biological characteristics. Appropriation of literary texts as tools of cultural study will help students to challenge centuries of social tradition and scientific belief which promote such and other types of differentiations.
- 6. **Acquisition of Values:** Acquisition of values is needed for individual development and social transformation. English literature course at UG level, like any other literary course, helps a student to gain subjective experience of the text's aesthetic value. This helps in developing quality of thinking and imagination and is a step forward to emerge as a better human being. Through their judgment of the aesthetic value of a literary text students will learn to appreciate whatever is good and beautiful in life. Their healthy mind will thus be storehouse of healthy thoughts.
- 7. **Writing skills and Process:** Students will be able to recognize and comprehend different varieties of English language and develop a writing style of their own. English literature students should be aware also that textual analysis can be extended with profit to political, journalistic, commercial, technical, and web-based writing. It is expected that their exposure to the ideas of variety of writers and their cultural backgrounds, will have a bearing in their own literary styles. With the development of their writing skills and finesse of style there will be a possibility of them emerging as perspective writers, editors, content developers, teachers etc.
- 8. **Means of Effective Communication:** Study of literature is intertwined with the study of language . Learning various language patterns, sentence structures and dialogue forms can help one in real life in effectively communicating with others. English is the language of science, computers, diplomacy, and tourism. Knowing English increases students' chances of getting a good job in future.

Department of Geography

PROGRAM OUTCOME

After completing B.A. Programme in Geography, students will be able to

- 1. Knowledge outcomes:
  - Demonstrate knowledge of physical and cultural features of the earth and locate them on a map.

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- Know about the basic disciplines of Geography and its sub branches.
- Know the basic concepts and terminologies used in Geography like interior of the earth, plate tectonic, sea floor spreading, population growth, disasters, composition and structure of atmosphere, hydrosphere, etc.
- Differentiate between minerals and rocks, weather and climate, interior of the earth, basic industries, farming etc.
- Get information about the causes and effects of local, national and international problems like global warming, acid rain, ozone depletion, soil degradation, deforestation etc.

## 2. Skill outcomes:

- Carry out surveying and learn the art of map making and prepare maps for the areas with the help of surveying techniques.
- Gain knowledge of quantitative methods and their ability to use statistical and cartographical methods to solve geographical problems.
- Construct various types of projections and scales as per requirement of the study.
- Collect primary and secondary data in the field.
- Apply various statistical formulas to analyse data.
- Use cartographic techniques with the help of simple software techniques like MS Excel.
- Handle topographical and weather maps and interpret them.
- Identify types of rocks.
- Know about Geographical Information System (GIS) and Remote Sensing (RS)

## PROGRAM SPECIFIC OUTCOME:-

- Students learn about formation of landforms and identify various landforms around them.
- Students learn about various economic activities of man and their spatial temporal distribution.
- Students acquire knowledge of basic surveying and map making.
- Students know about disasters, their causes and managing disasters.
- Students come to know about geographical, socio-economic and political background of India.
- Students apply geographical knowledge in their day to day life like being alert about disasters, weather and climate data,

## Department of Home Science :-

Performance of home science department is very appreciable. Focus is on skill development & making the student self confident via Tailoring, stitching, Knitting, Embroidery, Printing & tie & dye. Home furnishing materials preparation teaching, teaching kit & aids preparation, counseling, Toy making, Puppet making, Audio visual aids. Baby kit preparation, curtain, doormats, school port Folio Preparation, Food presentation, cooking of different recipes.

therapeutic diets preparation low cost Nutritious recipes preparation Running Canteen, Food science Experiments.

## Department of Economics:-

### Program Outcomes :-

Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it. Economics also looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so. Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Our discipline has two important features. First, we develop conceptual models of behavior to predict responses to changes in policy and market conditions. Second, we use rigorous statistical analysis to investigate these changes. Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare, and school reform and efforts to reduce inequality, pollution and crime. The study of economics can also provide valuable knowledge for making decisions in everyday life. It offers a tool with which to approach questions about the desirability of a particular financial investment opportunity, whether or not to attend college or graduate school, the benefits and costs of alternative careers, and the likely impacts of public policies including universal health care and a higher minimum wage. The complementary study of econometrics, the primary quantitative method used in the discipline, enables students to become critical consumers of statistically based arguments about numerous public and private issues rather than passive recipients unable to sift through the statistics. Such knowledge enables us to ask whether the evidence on the desirability of a particular policy, medical procedure, claims about the likely future path of the economy, or many other issues is really compelling or whether it simply sounds good but falls apart upon closer inspection.

### M.A. Sociology

#### Program Outcomes

On successful completion of this program, students would be able to:

The sociological knowledge provides students scientific outlooks and attitudes to understand the human behavior, social issues and phenomena.

Acquiring sociological knowledge in the forms of theories and methods would make students good social scientists.

The sociological knowledge would help to make students, critical and logical.

After studying this course, students would be also able to qualify the UPSC, CGPSC/ UGC NET/JRF/ and other examination of Social Welfare Departments.

Students would be able to get employment opportunities in the Teaching, Research and NGOs and Private sectors.

#### Course Outcomes:

This course is designed such way that offers multiple opportunities to the learners. After completion of this course, student would get job opportunities in the fields of teachings, research, NGOs, corporate sectors and Governmental sectors.

This course also helps students to qualify the NET/JRF/SET and Competitive Exams such as

MPSC/UPSC/Social Welfare Departments and others etc.

This course has also relevance in the field of production of knowledge about the human behavior, social issues and phenomena.

This production of knowledge would be helpful to the policy makers, developmental organizations, researchers, social activist and social scientists.

This course makes differentiate between common sense knowledge and sociological knowledge and this course provides scientific vocabulary, terms, concepts, methods and perspectives in accessing the social issues, events and problems.

The sociological knowledge would be useful in the social engineering and social reconstruction of the social structure. The sociology not only provides employment opportunities alone, but also makes the students rational, critical and logical.

## M.A. Hindi

### Programme Outcome

1. Consciousness about the issues related to women: The students got scope to gain knowledge and share their ideas about the forms of exploitation faced by women in feudalistic system and also learned about its long drawn effects in society, through the lectures followed by group discussion sessions on women issues, held in the department.
2. Relation between stories and society: The student gained knowledge about the relation between the socio cultural condition of a society and the short stories through the guest lectures organized on 'Hindi Kahani Ki Vikas Yatra', where the history of development of Hindi short stories was discussed in relation with the socio cultural impact registered in Hindi stories in different period
3. Concept of various forms of prose : Students gained knowledge about the various forms of prose like 'Rekhachitra, Nibandh, Sanssmaran, Vyangya, Bhashan, Natak, Upanyas from the guest lecture organised on 'Hindi Ki Vividh Gadya Vidhayen'.
4. Knowledge about reality of middle class: The writers like Premchand, Nagarjun made an effort to highlight the mentality of middle class by depicting the actions and behaviour of the persons of middle class in their writings. The students got scope to gain knowledge about the reality of middle class expressed in the writings of Premchand through lectures followed by group discussion sessions.
5. Cultural consciousnesses and the concept of travelogue: The students gained knowledge about the concept of travelogue and realized the role played by cultural consciousness in writing travelogues, through the lectures organised on the travelogue of Amrit Lal Bengar. .
6. Art of analyzing 'Sanskritik and Lalit Nibandh Kala: 'Lalit and Sanskritik Nidandh' are considered to be such art forms which are difficult to understand due to the symbols used by the writers to express the deeper realities in their writings. The Students gained knowledge to analyze these art forms through the guest lectures organised on the essays like 'Kutaj' and 'Mere Ram Ki Mukut Bheeg Raha hai'.



7. Environmental consciousness: The students gained knowledge about the concept of 'Paryavaran' and its role in making human life healthy, by paper presentation and group discussion sessions on 'Paryavaran Sanrakshan' organised in vernacular Hindi class.
8. Scientific consciousness : Students gained knowledge about this reality that how the outlook of people towards 'Dhumketu' has changed with time and how the new inventions and discoveries brings new light to the world, by the paper presentation and group discussion sessions on 'Dhumketu' organised in vernacular Hindi class.

### **Programme Specific Outcome**

1. Understanding the relation between society and literature and analyse the role played by Hindi literature in past and present.
2. Understanding the strategy of converting worship into the movement of struggle for cultural freedom.
3. Developing skill of writing official letters in functional Hindi.
4. Developing philosophy of life inspiring by the vision of eminent writers.
5. Identifying the nature and character of person through his actions.
6. Gaining socio cultural consciousness.
7. Exploring, analysing and enriching the self knowledge.

### **M.A. Political Science**

The Department is dedicated to promote teaching and research in diverse fields of political science including Indian politics, comparative politics, international relations and human rights while maintaining the scholarship in some of the conventional fields like political theory and political philosophy. Presently, the department is offering UG and Master's in Political Science. The learning outcomes of the programmes are as follows:

1. To develop comprehensive understanding of the subject by teaching both conventional and new areas of relevance in the domain of political theory and philosophy, Indian politics, comparative politics, public administration and international politics.
2. To develop comprehensive and interdisciplinary knowledge by emphasizing inter-linkages between various political, economic and social issues and challenges.
3. To generate socially-informed knowledge and cater to the educational upliftment of marginalized communities through papers like Human Rights, Political Ideas in Modern India and Women and Politics in India
4. To develop theoretically rich and empirically grounded knowledge.
5. To motivate and inform students about the opportunities and future prospects in the field.
6. To develop the overall personality of students and prepare them to compete and succeed in their endeavours.
7. To provide a progressive, healthy and vibrant environment to its students as well as teachers for the purpose of developing a department known for its academic

and intellectual pursuit.

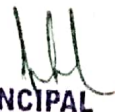
8. To inculcate the values of tolerance, progressiveness and fraternity that contributes towards the making of a healthy and prosperous society.

**Programme Specific Outcome:-**

The Department is running two programmes namely B.A. and M.A Courses in the master's programme have been designed in a manner so as provide a holistic approach to the study of political science. The core of the discipline is maintained with courses on political philosophy both western and Indian and key concepts of politics. These courses provide a solid grounding to the learners on the history of ideas and the larger issues of epistemology in social sciences. They also try to integrate the concepts with the practices of politics and government and to understand their relevance in totality. The second set of papers on Indian politics including study of constitution, institutions, processes and political economy entail a detailed study and analysis of morphology and anatomy of politics in India.

While familiarizing the students with legal framework of government institutions, the courses tend to engage them with the undercurrents of political practice and developmental process. By learning the evolution of concepts and theories of Indian politics, the students are able to critically reflect on the contemporary developments. Courses on comparative politics and international relations provide an overview of political developments at the global level. Comparative analysis not only helps in understanding the patterns of institutionalism, democratization and development in various polities but also provide a framework for explaining variations. In addition, specialized courses like human rights, peace and conflict studies and state politics introduces the students to certain new dimensions of politics. By doing these courses, students develop a solid footing over the vast field of knowledge in the discipline that also in a way encourages them to undertake future research in these unconventional areas of political science.

Through them they also tend to develop an interdisciplinary focus without deviating from the core of the discipline. Research methodology is taught both in B.A. and M.A programmes. While providing an epistemological and philosophical grounding on the subject, the course familiarizes the students with specialized techniques of qualitative and quantitative research in social sciences. The field work component of the course further trains the students to undertake field research and write research reports.



**PRINCIPAL**

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