

PROGRAM OUTCOMES (POs)

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1. B.A (H) ECONOMICS

- The B.A. (Hons) Economics programme provides a firm basis for much of the advanced thinking in the Economics discipline.
- It provides the student with a logical paradigm for modelling and interpreting the behaviour and interactions of households, firms, and government institutions.
- The programme is consistent with global standards in the Economics discipline. It offers training that is comparable to that of an undergraduate student at the world's best universities.
- The curriculum allows students to choose elective courses from a set of courses with contemporary relevance, thereby offering students the flexibility to prepare for careers in academia, law, management, journalism, government, and many other fields.

2. B. COM (H)

- B. Com (Hons.) Programme aims to equip students with the knowledge, skills and attitude to meet the challenges of the modern-day business organizations.
- The curriculum of B.Com. (Hons.) degree provides a carefully selected subject combination of Accounting, Economics, Finance, Management, Tax, Marketing and Law etc.
- The programme aims to nurture the students in intellectual, personal, interpersonal and social skills with a focus on Holistic Education and development to make informed and ethical decisions and equips graduates with the skills required to lead management position.
- This programme brings out reflective and scientific thinking in the students which makes them inquisitive and curious to get deep insights of the business world and tackle the complex situations with much knowledge and wisdom.

3. B. Sc (H) MATHEMATICS

The completion of the B.Sc. (Hons.) Mathematics Programme will enable a student to:

- Communicate mathematics effectively by written, computational and graphic means.
- Create mathematical ideas from basic axioms.
- Gauge the hypothesis, theories, techniques and proofs provisionally.
- Utilize mathematics to solve theoretical and applied problems by critical understanding, analysis and synthesis.
- Identify applications of mathematics in other disciplines and in the real-world, leading to enhancement of career prospects in a plethora of fields and research.

4. B. Sc (H) STATISTICS

- This course exposes the students to the beautiful world of Statistics and how it affects each and every aspect of our daily life. The course is designed to equip students with all the major concepts of Statistics along with the tools required to implement them.
- Introduction to computer software help them in analysis of data by making optimum usage of time and resources. This software gives them the necessary support and an edge when progressing to their professional careers.
- Exposure to plethora of real-life data helps in honing their analytical skills. Having practical component with every paper invokes their exploratory side and fine-tunes the interpretation abilities.
- Such a pedagogy goes a long way in giving them the required impetus and confidence for consultancy start-ups/jobs in near future. The structure of the course also motivates/helps the students to pursue careers in related disciplines, especially the data sciences, financial statistics and actuarial sciences.

5. B.A (H) ENGLISH

- Students will master the art of persuasive speech and writing.
- Students will master the art of listening, reading, and analysing.
- Students will spend the bulk of their time in class in practical exercises of reading and writing.
- Students will develop critical thinking skills.
- They will be introduced to established principles of academic reading and writing.

6. B.A (H) HINDUSTANI MUSIC

- The course aims at producing competent musicians with technical know-how who may excel not only in the knowledge, but in the practical presentation of music.
- The course also aims at producing competent musicologists in the practical presentation of music.
- It will also focus on proper understanding of the aesthetic significance.
- It will focus on social relevance of these performing art forms.

7. B.A (H) KARNATAK MUSIC

- The course aims at producing competent musicians with technical know-how who may excel not only in the knowledge, but in the practical presentation of music.
- The course also aims at producing competent musicologists in the practical presentation of music.
- It will also focus on proper understanding of the aesthetic significance.
- It will focus on social relevance of these performing art forms.

8. B.A (H) SANSKRIT

- This course will help students acquire a general understanding of classical Sanskrit literature and Philosophy and religion, history and culture through Sanskrit texts.
- Students will acquire advanced knowledge of Sanskrit and will demonstrate an increased ability to read and understand Sanskrit texts.
- They will develop an insight into one and more fields of specialization within the broader area of ancient Indian philosophy like Upanishads and Gita.
- Students will be able to perceive and demonstrate the role of Sanskrit as the unifying force in the context of the Indian nation and nationalism.
- Their study of Sanskrit texts will also help in building of character and inculcation of moral, social and spiritual values and thus contribute to personality development.

9. B.A (PROGRAMME) ENGLISH

- Enable students to write in expository argumentative and descriptive modes
- Enable students to choose between expository argumentative descriptive and narrative writing styles to assemble their own writing
- Teach skilled comprehension; listening/reading; skimming; summarising; précis writing; paraphrasing; note making
- Identify key topics/arguments/ideas.

10. B.A (PROGRAMME) HINDI

- It will develop a clear understanding of Hindi literature and language development.
- Students will get information about the socio-political-cultural aspects of literature.
- They will get an introduction to the development of Hindi poetry and prose literature.
- Practical knowledge will be built along with theoretical knowledge.

11. B.A (PROGRAMME) SANSKRIT

- This Programme will help students acquire a general understanding of classical Sanskrit literature and Philosophy and religion, history and culture through Sanskrit texts.
- Students will acquire advanced knowledge of Sanskrit.
- Student will demonstrate an increased ability to read and understand Sanskrit texts;
- They will be able to read Sanskrit texts independently and analyse texts written in classical Sanskrit.
- They will demonstrate an enhanced knowledge and understanding of all structures of the Sanskrit language and develop a basic understanding of Panini's grammar and a basic familiarity of the history of Sanskrit literature.
- They will develop an insight into one and more fields of specialization within the broader area of ancient Indian philosophy like Upanishads and Gita.
- They will show the ability to critically assess existing research through careful reading, analysis and discussion.

12. B.A (PROGRAMME) ECONOMICS

- It provides the student with a logical paradigm to understand the behaviour and interactions of households, firms, and government institutions.
- It offers training that is comparable to that of an undergraduate student at the world's best universities.
- The curriculum allows students to choose elective courses from a set of courses with contemporary relevance.
- Students have the flexibility to prepare for careers in academia, law, management, journalism, government, and many other fields.

13. B.A (PROGRAMME) PHILOSOPHY

- This course is prepared keeping in mind the needs, expectations and aspirations of students in philosophy.
- It focuses modernizing trends and methodological perspectives of philosophy as a subject.
- The course learning outcomes and the programme learning outcomes specify the knowledge, understanding, skills, attitudes, values that a student completing this degree is expected to inculcate and know.
- It will also make the students aware of the main currents of thought in ethics.

14. B.A (PROGRAMME) POLITICAL SCIENCE

- Understand the various traditions and approaches of political theory and appreciate how they get reflected in organizing social living
- Understand multiple frames by which the idea of political community is debated
- Understand the significance of theorizing and of applying theory into practice.
- The idea is to introduce and assess the conventional as well as contemporary approaches to understanding politics.

15. B.A (PROGRAMME) HISTORY

- The inter-disciplinary approach of the course provides the students a point of beginning from where they can build an understanding of the discipline of history.
- In course of time students will learn about the processes of cultural development and regional variations.
- The varied experiences in the Indian subcontinent can be seen in archaeological cultures and questions concerning literacy, nature of state formation and attendant cultural growth.

- Highlighting the features of early historic times, the course tries to trace the emergence of state system from tribal stage to ‘early-state’ stage and at the same time seeks to underline the important developments in the arena of economy, society and culture.

16. B.A (H) SOCIOLOGY

- Demonstrate an understanding of sociological concepts and theories.
- Define and apply basic concepts of sociology.
- Explain the role of theory in sociological inquiry and analysis.
- Distinguish between major theoretical positions.
- Articulate the role of research in building sociological knowledge.
- Demonstrate competence with quantitative and qualitative approaches to formulating research questions, and gathering and analysing data.
- Critically analyse and evaluate empirical and non-empirical claims about the social world.
- Describe aspects and intersections of diversity including ethnic and racial heritage, socioeconomic class, gender expression, sexualities, physical capabilities, age, citizenship, and belief systems.
- Understand and contextualize different points of view.
- Explain the value of cultural and intellectual diversity.
- Identify underlying assumptions of various arguments, methodologies, and theories.
- Critically examine their own cultural practices, values, beliefs and social positions.
- Assess the social factors that create and perpetuate inequality in the United States and globally.

17. B. Sc (H) PHYSICS

- Provide opportunities to students to learn, design and perform experiments in lab, gain an understanding of laboratory methods, analysis of observational data and report writing, and acquire a deeper understanding of concepts, principles and theories learned in the classroom through laboratory demonstration, and computational problems and modelling.
- Develop the ability of students to apply the knowledge and skills they have acquired to get to the solutions of specific theoretical and applied problems in Physics.
- To prepare students for pursuing the interdisciplinary and multidisciplinary higher education and/or research in interdisciplinary and multidisciplinary areas, as Physics is among the most important branches of science necessary for interdisciplinary and multidisciplinary research.
- To prepare students for developing new industrial technologies and theoretical tools for applications in diverse branches of the economic life of the country, as Physics is one of the branches of science which contribute directly to technological development; and it has the most advanced theoretical structure to make quantitative assessments and predictions, and in light of all of the above to provide students with the knowledge and skill base that would enable them to undertake further studies in Physics and related areas, or in interdisciplinary/multidisciplinary areas, or join and be successful in diverse professional streams including entrepreneurship.

18. B. Sc (H) ZOOLOGY

- Students will study and acquire complete knowledge of disciplinary as well as allied biological sciences. At the end of graduation, they should possess expertise which will provide them competitive advantage in pursuing higher studies from India or abroad; and seek jobs in academia, research or industries.
- Students should be able to identify, classify and differentiate diverse chordates and non-chordates based on their morphological, anatomical and systemic organization.
- They will be able to describe the economic, ecological and medical significance of various animals in human life.
- Acquired practical skills in biotechnology, biostatistics, bioinformatics and molecular biology can be used to pursue a career as a scientist in the drug development industry in India or abroad.

19. B.A (H) POLITICAL SCIENCE

- To provide students with both a conceptual and a practical grasp of the discipline, and to encourage them to draw connections between Political Science and other social science disciplines by offering courses of an interdisciplinary nature.
- To make the student proficient in Political Science as well as in certain interdisciplinary areas, through the transfer of knowledge in the classroom, and practical knowledge obtained through real-world interactions and field experiences.
- Analyse political and policy problems and formulate policy options.
- Demonstrate critical thinking, including the ability to form an argument, detect fallacies, and marshal evidence, about key issues of public policy and politics.

20. B. A (H) PHILOSOPHY

- Understand the broad ideas that are enshrined in the basic thinking of various centres of Philosophy.
- Develop the idea of creating new theories of metaphysics and epistemology and ethics and logic and aesthetics.
- Critically analyse the hypothesis, theories, techniques and definitions offered by Philosophers.
- Utilise philosophy to understand social realities and problems and to come up with ideal solutions to them.
- Identify how deeply philosophy is connected to other disciplines like economics and natural sciences and literature.
- Understand and appreciate the foundational nature of philosophy

21. B.A (H) HISTORY

- The expected outcome is to provide students with a sense of how interconnected our present is with the past and how learning about the past provides them with the skills to understand the present.

- To facilitate this understanding, our courses, classroom instruction and assignments give students the ability to think and reach their own conclusions.
- Our tutorial discussions, written assignments, classroom presentations, field-work projects, consolidate their ability to analyse, research and process information.
- To reinforce already covered subjects in our thematic based courses even as our students mature through their assignments and more complex readings.

22. B. Sc (H) CHEMISTRY

- Students acquire theoretical knowledge and understanding of the fundamental concepts, principles and processes in main branches of chemistry, namely, organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry and biochemistry.
- A much-valued learning outcome of this programme is the laboratory skills that students develop during the course. Quantitative techniques gained through hands on methods opens choice of joining the industrial laboratory work force early on.
- Communication is a highly desirable attribute to possess. Opportunities to enhance students' ability to write methodical, logical and precise reports are inherent to the structure of the programme. Techniques that effectively communicate scientific chemical content to large audiences are acquired through oral and poster presentations and regular laboratory report writing.
- Modern day scientific environment requires students to possess ability to think independently as well as be able to work productively in groups. This requires some degree of balancing. The chemistry honours programme course is designed to take care of this important aspect of student development through effective teaching learning process.

23. B. Sc (H) BOTANY

- Understanding of plant classification systematics, evolution, ecology, developmental biology, physiology, biochemistry, plant interactions with microbes and insects, morphology, anatomy, reproduction, genetics and molecular biology of various life-forms.
- Understanding of various analytical techniques of plant sciences, use of plants as industrial resources or as human livelihood support systems and is well versed with the use of transgenic technologies for basic and applied research in plants.
- Understanding of various life forms of plants, morphology, anatomy, reproduction, genetics, microbiology, molecular biology, recombinant DNA technology, transgenic technology and use of bioinformatics tools and databases and the application of statistics to biological data.
- Understanding of biotechnological processes such as recombinant DNA technology and its applicative value in pharmaceuticals (vaccines, antibodies, antibiotics etc.), food industry (transgenic crops with improved qualities (nutraceuticals, industrial enzymes etc.), agriculture (biotic and abiotic stress tolerant plants, disease and pest resistant plants, improved horticultural varieties etc.), ecology (plants role in bioremediation).

24. B. Sc (H) PHYSICAL SCIENCE WITH CHEMISTRY

- Motivate students to develop a deep interest in applied Physics and Electronics, and to gain a broad and balanced knowledge and understanding of physical concepts, principles and theories of Electronics.
- Provide opportunities to students to learn, design and perform experiments in the lab, gain an understanding of laboratory methods, design and analysis of electronic circuits and report writing, and acquire a deeper understanding of concepts, principles and theories learned in the classroom through laboratory demonstration, and computational problems and modelling.
- Provide students with the knowledge and skill base that would enable them to undertake further studies in Physics and related areas, or in interdisciplinary/multidisciplinary areas, or join and be successful in diverse professional streams including entrepreneurship.
- To prepare students for developing new industrial technologies and theoretical tools for applications in diverse branches of the economic life of the country, as Physics is one of the branches of science which contribute directly to technological development; and it has the most advanced theoretical structure to make quantitative assessments and predictions.

25. B. Sc (H) PHYSICAL SCIENCE WITH ELECTRONICS

- Systematic and coherent understanding of basic Electronics.
- Wide ranging and comprehensive experience in Electronics laboratory methods.
- Procedural knowledge that creates different types of professionals related to the disciplinary/subject area of Electronics and multi/interdisciplinary domains, including professionals engaged in research and development, teaching, technology professions and government/public service.
- Skills in areas related to their specialization area within the disciplinary/subject area of Electronics.
- Demonstrate the ability to use skills in Electronics and its related areas of technology for formulating and solving problems and identifying and applying appropriate physical principles and methodologies.
- Recognize the importance of modelling simulation and computing.
- Plan and execute experiments or investigations related to Electronics and its interface with other subjects studied in the course analyse and interpret data/information collected using appropriate methods, including the use of appropriate software such as programming languages.

26. B.A (H) HINDI

- Students will understand the relevance of Hindi language from a theoretical and practical aspect.
- They will be made aware of social, cultural and religious both by way for poetry and prose.
- They will also understand the behavioural aspects of society.

- The objective is to make students aware of the interplay of between language and community.