Program Outcomes:

Course: B.Sc

Program: Mathematics

- Demonstrate basic manipulative skills in Algebra, Geometry, Trigonometry and beginning Calculus
- Apply the underlying unifying structures of mathematics(i.e sets, relations and functions, logical structure) and the relationships among them
- Demonstrate proficiency in writing proofs
- Communicate mathematical ideas both orally and in writing
- Investigate and apply mathematical problems and solutions in a variety of contexts related to science,technology,business and industry,and illustrate these solutions using symbolic,numeric,or graphical methods
- Investigate and apply mathematical problems and solutions in a variety of contexts related to science,technology,business and industry,and illustrate these solutions using symbolic,numeric,or graphical methods
- Investigate and solve unfamiliar math problems
- Classes develop student abilities and aptitudes to apply mathematical methods and ideas not only to problems in mathematics and related fields such as the sciences,computer science,actuarial science,or statistics,but also to virtually any area of inquiry

DEPARTMENT OF CHEMISTRY – AY: 2022-2023

PROGRAM OUTCOMES OF BACHELOR SCIENCES (B Sc)

PO1. B. Sc Program enables the students to take up the advances in science course subjects.

PO2. The main goal is to develop a deeper understanding of natural laws, inquiring about the reasons and logics which mould them through established methods of observation, modeling, experimentation and calculations.

PO3. Solve the problem and also methodically, independently and draw a logical conclusion.

PO4. Demonstrate, solve and understanding of major concepts in all disciplines.

PO5. Employ the critical thinking and the scientific knowledge to design, carry out, record and analyze the results**.**

Department of Statistics:

PROGRAMME OUTCOME:

1. Upon completion of this programme student will have knowledge of
   ● Statistical theory and techniques to analyse and model different real life data sets. Statistical software such as MINITAB, SPSS, SAS, R-environment. ●
2. Students can make careers in different fields such as, banks, multinational companies, insurance companies, pharmaceutical companies, business analytics etc. as well as government services such as UPSC, MPSC, RBI, ISS etc.

Students can pursue research degrees in statistics from Indian as well as foreign universities.

Department of computer Science

Computer Science (CS) has been evolving as an important branch of science and engineering throughout the world in last few decades Computer science is a discipline that spans theory and practical. Now a days, practically everyone is a computer user, and many people are even computer programmers. The ever-evolving discipline of computer science also has strong connections to other disciplines. Many problems in science, engineering, health care, business, and other areas can be solved effectively with computers,

Computer science has a wide range of specialties. These include Computer Architecture, Software Systems, Graphics, Artificial Intelligence, Computational Science, and Software Engineering.

Computer Science education at undergraduate level (+3) will result in earning a Bachelor of f Science (BSc) degree in CS. The coursework required to earn a BSc is equally weighted in mathematics and science. BSc in CS are aimed at undergraduate level training facilitating multiple career paths. Students so graduated, can take up postgraduate programmes in CS leading to research as well as R&D, can be employable at IT industries,or can adopt a business management career. BSc with CS aims at laying a strong foundation of CS at an early stage of the career along with two other subjects such as Physics, Maths, Electronics, Statistics etc. There are several employment opportunities and after successful completion of an undergraduate programme in CS, graduating students can fetch employment directly in companies as Web Developer, Software Engineer, Network Administrator, Data Scientist, or AI/ML personnel.

- To develop an understanding and knowledge of the basic theory of Computer Science and Information Technology with good foundation on theory, systems and applications such as algorithms, data structures, data handling, data communication and computation.
- To develop the ability to use this knowledge to analyse new situations

- To acquire necessary and state-of-the-art skills to take up industry challenges. The objectives and outcomes are carefully designed to suit to the above-mentioned purpose.
- The ability to synthesize the acquired knowledge, understanding and experience for a better and improved comprehension of the real-life problems

DEPARTMENT OF ENGLISH
PROGRAM OUTCOMES

Program: ENGLISH

To create an ambience of effective learning that paves way for personality development and skill enhancement

❖ To equip students with improved speaking skills in order to make inferences read between the lines and glean an understanding of various topics

❖ To develop a literary bent of mind and motivate them to partake in literary pursuits

❖ To enhance communication skills to converse in a manner appropriate to a graduate student

❖ To enrich language usage by providing a platform to engage in discourse on various topics as well as issues

❖ To encourage English usage that brings forth clarity of thought

❖ To promote analytical approach, creative thinking and appropriate expression

❖ To prepare for competitive exams

Department of Zoology:

Zoology Program Outcomes:

PO1 - Students gain knowledge and skill in the fundamentals of animal sciences, understands the complex interactions among various living organisms.

PO2 – Analyse complex interactions among the various animals of different phyla, their distribution and their relationship with the environment.

PO3 – Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.

PO4 – Understands the complex evolutionary processes and behaviour of animals.

PO5 – Correlates the physiological processes of animals and relationship of organ systems.

PO6 – Understanding of environmental conservation processes and its importance, pollution control and biodiversity and protection of endangered species.

PO7 – Gain knowledge of small scale industries like sericulture, fish farming, bee keeping, aquaculture, animal husbandry, poultry farm.

PO8 – Understands about various concepts of genetics and its importance in human health.

PO9 - Apply ethical principles and commit to professional ethics and responsibilities in delivering his duties.

PO10 – Apply the knowledge and understanding of Zoology to one's own life and work.

PO11 – Develops empathy and love towards the animals

PROGRAM OUTCOME OF POLITICAL SCIENCE

SEM-I B.A I Year - POLITICAL SCIENCE; POLITICAL THEORY (Concepts, Theories, Institutions)

- To understand the nature and scope of political theory.
- To understand the significance of political theory.
- To acquaint with the theories, approaches, concepts and principles of political theory.
- To appreciate the procedure of different theoretical ideas in political theory.
- To Interpret and assess information regarding a variety of political theory.
- To understand the various traditional and modern theories of political science. ☐ To evaluate the theories of origin of the state.
- To comprehend the sources of political information's

SEM-II B.A I Year - POLITICAL THEORY. (Concepts, Theories and Institutions)

- To understand the concept of state, nation and civil society.
- To understand the elements and factors of state and nation.
- To know about the meaning sovereignty, types and characteristics.
- To analyse critically the theories of monism and pluralism.
- To learn the origin of the concepts such as Law, power, authority, and legitimacy. ☐ To understand the forms of government in various countries and their working pattern ☐ To compare with procedure of various social institutions and government institutions. ☐ To analyze the meaning of organs of government and theory of separation of power.

SEM-III B.A II Year - INDIAN GOVERNMENT AND POLITICS (Government and Politics)

- To understand the philosophy of Indian constitutions.
- To identify the causes, impact of British colonial rule.
- To appreciate the various phases of Indian national movement.
- To create value in young youth regarding the patriotism.
- To understand the various Government of Indian acts their provision and reforms. ☐ To know the salient features in making of Indian constitution
- To appreciate the socio-economic political factors which lead to the freedom struggle.
- To understand the constitutional orderings and institutional arrangement.

- To appreciate the fundamental rights and duties and the directive principle of state policy
- To evaluate the evolution, functioning and consequences of political parties in India.
- To identify how electoral rules and procedure in India effect election outcomes.

B.A.III - POLITICAL THEORY. (ANCIENT & MEDIEVAL POLITICAL THOUGH).

- To demonstrate knowledge of key thinkers and concepts
- To understand the nature, methods and significance of political thought.
- To analyse the theory of ancient & medieval political thought of Greek and India.
- To appreciate the ideas of them in context of classification of government, law and revolutions and slavery.
- To understand the relationship between religion and politics in early modern western political thought.
- To acquire knowledge about modern political thinkers and theirs view on state craft.
- To compare with the social contractualists thoughts of Hobbes, lock, and Rousseau and their view regarding state, government and general will. ☐ To appreciate the concept of liberty, representative government., ☐ To analyse the Marxist philosophy in making a better society.
- To thoroughly compare the democratic revolution and creation of civil society.
- To appreciate the various social and political ideas of Indian political thinker
- To inculcate the spirit of ahimsa, satyagraha, through Gandhi ideology
- To criticizes the causes for the theory of caste system in India and their impact.

B.A. III YEAR - PAPER IV- INTERNATIONAL RELATIONS

- • To understand the evolution, scope and significance of international relations and the rise of sovereign state system
- ☐ To analyze the history of international relational through the causes and phases of colonialism.
- ☐ To know the impact of first world war and second world war and its causes and consequences
- ☐ To criticizes the various ideologies which lead to the destruction of world.
- ☐ To appreciates the post war developments through the emergence of third world. ☐ To understand the concept of power, national, regional ,global and peace security ☐ To acquaint with the international organizations and their modules nations.
- ☐ To understand the international political economy.
- ☐ To analyse the international security Arms Race. Arms control and Disarmament.
- ☐ To understand the emerging area in international relations.
- ☐ To appreciate the foreign policy their determinants features& its relevance.
- ☐ To critically analyse the Indian's bilateral relations with major power and neighboring countries.

☐ To identify various issues and challenges towards international relations ☐ To learn about issues of diversity and internationalism