**B.Sc. (Chemistry)**

**Program Outcomes (POs)**

PO1 Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.

PO2 Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.

 PO3 Problem Solving Capability of applying knowledge to solve scientific and other problems.

 PO4 Individual and Team Work Capable to learn and work effectively as an individual , and as a member or leader in diverse teams, multidisciplinary settings .

PO5 Investigation of Problems Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions .

PO6 Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices.

 PO7 Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.

PO8 Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.

PO9 Environment and Sustainability Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.

PO10 Ethics Apply ethical principles and professional responsibilities in scientific practices.

PO11 Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects .

PROGRAMME SPECIFIC OUTCOMES (PSOs)

 PSO1 Acquire good knowledge about the fundamentals and applications of chemical and scientific theories.

 PSO2 All branches of Science and Technology are related to Chemistry.

PSO3 Easily assess the properties of all elements discovered.

 PSO4 Will become familiar with the different branches of chemistry like analytical, physical, organic, inorganic, environmental and polymer.

 PSO5 Will help in understanding the causes of environmental pollution and can open up new methods to control environmental pollution.

PSO6 Will develop analytical skills and problem-solving skills requiring application of chemical principles.

 PSO7 Have the ability to synthesize, separate and characterize compounds using laboratory and instrumentation techniques.

B.Sc. Computer Science

Programme Outcomes (POs)

PO1 Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study .

PO2 Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large .

PO3 Problem Solving Capability of applying knowledge to solve scientific and other problems .

PO4 Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.

PO5 Investigation of Problems Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions .

PO6 Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices.

PO7 Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices .

PO8 Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.

PO9 Environment and Sustainability Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.

PO10 Ethics Apply ethical principles and professional responsibilities in scientific practices.

 PO11 Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects .

 Programme Specific Outcomes (PSOs)

 PSO1 Students will be able to acquire the basic understanding of the principles and working of the hardware and software aspects of computer systems.

PSO2 Explore technical knowledge in diverse areas of Computer Science and experience an environment conducive in cultivating skills for successful career, entrepreneurship and higher studies.

PSO3 Papers such as C++, JAVA, Python, Web designing give an effective and efficient real time solution in various domains.

B.Sc. (Mathematics)

 Program Outcomes (POs)

 PO1 Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.

 PO2 Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.

PO3 Problem Solving Capability of applying knowledge to solve scientific and other problems.

PO4 Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.

PO5 Investigation of Problems Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions .

PO6 Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices.

PO7 Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices .

PO8 Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.

PO9 Environment and Sustainability Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.

PO10 Ethics Apply ethical principles and professional responsibilities in scientific practices.

PO11 Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects .

 Program Specific Outcomes (PSO)

 PSO1 Have basic understanding and knowledge in different core areas of Mathematics such as algebra, analysis, calculus, differential equations, mechanics, numerical analysis and in some of the other elective areas. Demonstrate understanding of the concepts /theories/methods from such areas of Mathematics.

 PSO2. Have a broad background in Mathematics and develop the essential mathematical reasoning, knowledge, skills and aptitude to pursue further studies and research in Mathematics.

 PSO3 Communicate mathematics effectively and precisely by written computational and graphical means.

PSO4. Apply knowledge, understanding, methods, techniques and skills of Mathematics to analyse, evaluate and solve problems of Mathematics and/or the mathematical problems having applications in engineering/science/technology/life sciences/social sciences so as to enhance career prospects in different fields.

B.Sc. (Physics) Program Outcomes (POs)

PO1 Knowledge: Capable of demonstrating comprehensive disciplinary knowledge gained during course of study .

PO2 Communication: Ability to communicate effectively on general and scientific topics with the scientific community and with society at large .

PO3 Problem Solving: Capability of applying knowledge to solve scientific and other problems .

PO4 Individual and Team Work: Capable to learn and work effectively as an individual , and as a member or leader in diverse teams, multidisciplinary settings .

PO5 Investigation of Problems: Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions .

PO6 Modern Tool usage: Ability to use and learn techniques, skills and modern tools for scientific practices.

 PO7 Science and Society: Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices .

PO8 Life-Long Learning: Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life.

 PO9 Environment and Sustainability: Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.

PO1 0 Ethics: Apply ethical principles and professional responsibilities in scientific practices.

 PO1 1 Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Programme specific outcome (PSOs) PSO1: Acquire an in-depth understanding and knowledge of the basic concepts of physics and be able to appreciate how diverse phenomena observed in nature follow from a small set of fundamental laws through logical reasoning.

 PSO2: Be capable of understanding the core physical laws to understand the basic concepts, latest progress and applications of certain sub fields such as nuclear physics, spectroscopy of atoms & molecules, solid state physics, computational physics & electronics.

PSO3: Gain hands-on skills for carrying out basic experiments as well as experiments related to different fields of Physics and attain abilities of critical thinking, problem mapping & solving using fundamental principles of Physics, systematic analysis & interpretation of results.

PSO4: Have a new perspective to look at everything from ‘Scientific’ point of view that enabling them to pursue higher studies at postgraduate & research level .

PSO5: Have awareness of the impact of Physics in social, economical and environmental issues.

 B.A. (Bachelor of Arts)

B.A. Public Administration

PROGRAMME OUTCOMES (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core

Disciplines in the humanities, social sciences and languages;

PO 2: Apply critical and analytical skills and methods to the identification and resolution of

problems within complex changing social context.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of

study outside core disciplines of the humanities, social sciences and languages.

PO 4: Apply and independent approach to knowledge that uses rigorous methods of inquiry

and appropriate theories.

PO 5: Articulate the relationship between diverse form of knowledge and the social, historical

and cultural context that produced them.

PO 6: Communicate effectively and show ability to read, write, listen to and speak in chosen

languages with fluency.

PO 7: Act as informed and critically discerning participants within the community of scholars,

as citizens and in the work force.

PO 8: Work with independence, self-reflection and creativity to meet goals and challenge in

the workplace and personal life.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: The students would be able to understand the basic concepts, need & growth of the discipline.

PSO2: The program would provide the critical reasoning and analysis of key issues alongwith different concepts of administration.

PSO3: The students would be able to apply the theoretical interpretations to administrative system as well as they will acquire skill to identify social issues through scientific enquiry.

PSO4: The students would be able to have analytical and empirical understanding of administrative phenomena which leads to formulate the administrative planning and policies.

B.A. Political Science

Programme Outcomes (POs)

PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages.

PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.

PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages.

PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories.

PO 5: Articulate the relationship between diverse forms of knowledge and the social ,historical and cultural contexts that produced them.

PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency.

PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force.

PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes (PSOs)

PSO1: Honing of critical faculties of students for the examination of political phenomena.

PSO2: The students shall be able to develop an understanding of political events, institutions and processes with the ability to suggest remedies for the challenges therein.

PSO3: The students shall be able to develop an enhanced sensitivity to social and political issues so as to become active members of the citizenry.

PSO4: The students shall be able to demonstrate the conceptual and theoretical understanding of politics for the analysis of political behaviour.

B.A. General Psychology

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1 Students will be able to acquire and explore understanding of different theoretical concepts for study of human behaviour.

PSO2 Students will be able to acquire understanding of main psychological processes, domains of human development and theoretical understanding of various mental disorders.

PSO3 Students will be able to handle psychological tools and demonstrate ethical application of skills in Psychological testing, Counselling and other helping areas.

PSO4 Students will be able to have empirical understanding of different psychological phenomena for promotion of health and well -being.

B.A. Economics

 PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: Demonstrate the knowledge and understanding of economic science i.e vital processes of Economy, consumer and producer behavior at micro level and macro-level

PSO2: critically think and correlate the economics knowledge with decision making with regard to economic planning and economic policies, understanding of conflicts and trade-offs and welfare implications of economic measures to improve the quality of life in person as well as of community.

PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data.

PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation.

B.A. (English)

Programme Specific Outcomes (PSOs)

Upon completion students will be able to:

PSO1: Create social awareness with regard to society and culture.

PSO2: Communicate in English language with proper knowledge of the language.

PSO3: Evaluate teaching learning process through various teaching aids.

PSO4: Respond to the fecundity of imagination and verisimilitude of life which constitute the cognitive and rational response to society.

 B.A. (Hindi) PSO-1.

 क्तव्य ाररक स व्यास सानयक जीस स मेंभाषा का सपशेषकर टरस ां दी भाषा का स ी प्रय ग कर

सके गा। टरस ां दी भाषा केसपकास केमाध्यम सेभाषा के सैद् ास ां नतक लुसओांतथा उसके रररतसज की

टर दशासओांका ब ध गा।

PSO-2. समकालीस साटरत्य केसपसपध गद्य स द्य रू ां के माध्यम सेअ स ेयुग का ब ध गा। साटर

त्य की सपभभन्स सपधासओांमेंरसचात्मक लेक्तख स ससांप्रेषण की क्षमता सपकभसत गी।

PSO-3. साटरत्य ससांसार स स ास्तसपक ससांसार के यथाथज के प्रनत आल सचात्मक समझ सपकभसत

 गी। साटरत्य के स ांदयज, कला तथा स ै चाररक मूल् ांके प्रनत सपस े क का सनमाजण गा।

PSO-4. व्यक्क्ित्स सपकास स जीस स या स के भलए भाषायी क शल, सकां प्यूटर, सअुस ाद, त्रकाररता,

सजससांचार, ररांगसमांच, चलचचत्र आटर द के बारेमेंसैद् ास ां नतक स व्यास ाररक ज्ञास गा।

B.A. Geography Program Outcomes (POs)

PO1 Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.

 PO2 Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large .

PO3 Problem Solving Capability of applying knowledge to solve scientific and other problems .

PO4 Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.

PO5 Investigation of Problems Ability of critical thinking, analytical reasoning and research-based knowledge including design of experiments, analysis and interpretation of data to provide .conclusions

PO6 Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices .

PO7 Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.

PO8 Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.

 PO9 Environment and Sustainability Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.

PO10 Ethics Apply ethical principles and professional responsibilities in scientific practices .

PO11 Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

Program Specific Outcomes (PSO’s)

 PSO1: Basic understanding of fundamental concepts of geography as an earth science.

 PSO2: Clearly formulate and solve real life challenges with respect to human environment interactions.

 PSO3: Applications of fundamental principles of geography for the betterment of human society.

 PSO4: Acquisition of skills to effectively communicate the knowledge of geography to the society for safe guarding the physical environment.

B.A (Health & Physical Education)

PROGRAM OUTCOMES (POS)

1. Learners will be able to comprehend the acquire knowledge during the Program of study.

2. Learners will be able to reflect on the issues relating to the discipline- ‘Education’.

3. Learners will be able to exhibit the professional skills and competencies acquired during the Program of study.

4. Learners will be able to show scientific & research capabilities in their academic, professional and general life pursuits.

5. Learners will be able to apply the knowledge and skills acquired in academic planning, organizing, evaluation, decision making, and resource management according to pre-determined objectives/outcomes.

6. Learners will be able to work as member or leader in various teams and multidisciplinary & diverse settings.

7. Learners will be able to discuss and solve the problems relating to the discipline and life.

8. Learners will be able to state and follow the ethical issues relating to the discipline and society.

9. Learners will be able to apply different tools and techniques of communication and related skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Acquire knowledge about historical foundation of Physical education, understand Olympic Movement and skills about managerial aspects of physical education and sports.

2. Apply and demonstrate the knowledge of yoga, psycho-social techniques, health and environment education for health promotion of masses.

3. Acquire knowledge about human physiological aspects, identify different sports injuries and use appropriate physiotherapeutic modalities to treat injuries along with nutritional aspects related to weight management.

4. Use digital communication as an effective tool and utilize appropriate technology and multi-media to organize, analyze, interpret and present information.

5. Employ –best practices of sports training, innovative pedagogy, maintain physical fitness using principles of training frequency, intensity and duration according to prescribed curriculum.

BCA PROGRAMME OUTCOMES (POs)

 PO1 Knowledge: Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.

 PO2 Communication :Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.

PO3 Problem Solving :Capability of applying knowledge to solve scientific and other problems.

 PO4 Individual and Team Work : Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.

PO5 Investigation of Problems : Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.

PO6 Modern Tool Usage: Ability to use and learn techniques, skills and modern tools for scientific practise.

PO7 Science and Society Ability to apply reasoning to access the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.

PO8 Life-Long Learning Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.

 PO9 Environment and Sustainability Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.

PO10 Ethics Apply ethical principles and professional responsibilities in scientific practices.

 PO11 Project Management Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.

 PROGRAM SPECIFIC OUTCOMES (PSOs) The objective of the curriculum designed for BCA course is to nurture the technical aptitude of students for professional competency in the IT industry.

 PSO1 Develop proficiency for solving real world problems with the application of programming and supplementary computing skills.

PSO2 Promote exposure to hardware as well as software knowledge with the inclusion of course content targeted to administer technical expertise for employment in the IT industry.

PSO3 Explicit course content is targeted to inculcate programming skills using both conventional and contemporary programming languages as well as to develop potential for realizing web oriented and other commercial/non-commercial applications.

PSO4 Judicious structuring of the course curriculum has been aimed in order to strengthen competitive ability as per the trending industry requirements.

PSO5 Encourage skilful expertise for employment in Commercial/ Government sectors or pursuance of higher studies aimed towards innovational research leading to the progressive growth of the society and the nation.

B.Com

PROGRAMME OUTCOMES (POs)

PO1 Soft Skills and Working Skills: To comprehend, communicate and execute effectively and efficiently in all of their dealings

PO2 Leadership: To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively.

PO3 Innovativeness and Entrepreneurship: To explore issues and problems that needs solutions with entrepreneurial orientation.

PO4 Ethics and Values: To recognize, appreciate and follow ethical standards in all walks of life.

PO5 Adaptability and Sociability: Ready to understand and adapt the changing environment.

PO6 Research and Analytical abilities: To explore, analyses and provide solutions on emerging issues concerning various fields including public policy.

PO7 Practical exposure and Employability: Exposure to actual working environment leading to employability.

PO8 Environmental Consciousness: In every action, dealing, service and manifestation.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Program Specific Outcomes (PSOs): BUSINESS STUDIES

PSO1 Understand the conceptual and theoretical framework of management and quantitative

techniques.

PSO2 Apply the management principles and quantitative techniques in business.

PSO3 Use the management knowledge for entrepreneurship development.

PSO4 Gain skill into practical business applications including digital marketing and logistics.

Program Specific Outcomes (PSOs): ACCOUNTING & FINANCE

PSO1 Understand the conceptual framework of accounting & finance.

PSO2 Apply the knowledge of accounting & finance into diverse applications.

PSO3 Develop an overview of Indian financial system and corporate governance.

PSO4 Gain proficiency in practical aspects of accounting & finance.

Program Specific Outcomes (PSOs): BUSINESS REGULATIONS

PSO1 Gain an insight of business environment and regulatory framework.

PSO2 Understand the impact of various laws on consumer protection and ciber crime.

PSO3 Develop proficiency in the provisions of taxation and filing of returns.

PSO4 To learn the intricacies of office and secretarial practices for business.