Dr. Rafiq Zakaria College for Women, Aurangabad (M.S.)

Programme Outcomes (POs) and Programme Specific Outcomes (PSOs)

(New Syllabus 2024-25)

INDEX

Programme outcome of Bachelor of Science (B.Sc)

The National Education Policy (NEP) 2020 for Bachelor of Science (B.Sc.) programs aims to produce graduates who are not only well-versed in their respective disciplines but also equipped with skills necessary for holistic development and employability. While specific program outcomes may vary between institutions and disciplines within B.Sc. programs, here are some common outcomes aligned with NEP 2020:

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

These program outcomes align with the broader goals of NEP 2020 to transform higher education in India and prepare students for the challenges and opportunities of the 21st century. Board of Studies designing B.Sc. curricula are encouraged to incorporate these outcomes into their program objectives and learning outcomes.

Programme outcome of Bachelor of Arts (B.A.)

PO1 The B.A. graduates will be able to understand the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.

PO2 Students on completion of the undergraduate degree will be better able to define the literary and cultural diversity.

PO3 Demonstrate familiarity with and ability to analyze both verbally and in writing issues and forms of contemporary art with a clear understanding of historical precedents.

PO4 Students build the multidimensional personality and able to correlate Languages with social sciences.

PO5 Students choosing combination of three subjects develop social, political, historic, economic and literary consciousness and will be better able to appreciate different civilizations, culture.

PO6 At the end of the programme, they usually will have advanced reading, writing, speaking, interpretive and composition skills in both languages.

PO7 On graduating, the students will be eligible for employment in tourism, media, hospitality, in non-governmental organizations and other industries. Their skills in comprehension of general social phenomena around them place them in ideal situation for such jobs.

PO8 Humanities education is designed in such a way that it lays particular emphasis on human values. Students can apply this knowledge to deal with various problems in life.

PO9 After completing the graduate degree students are able to summarize Language acquisition theory and research.

PO10 They will also be able to appear for competitive examinations conducted for public sector jobs.

Programme outcome of Bachelor of Computer Science (BCS)

PO1. To develop problem-solving abilities using a computer

PO2. To prepare necessary knowledge base for research and development in Computer Science.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject-related problems within positive professional and ethical boundaries.

PO4. Individual and Teamwork: Function effectively as a leader and as well as team member in diverse/multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject-related activities with the scientific community in particular and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO6. Project Management: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete projects in any environment.

PO7. Life-Long Learning: Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

PO8. To train students in professional skills related to the Software Industry.

Programme outcome of Master of Science (M.Sc.)

The program outcomes (PO's) are the statement of competencies/ abilities. POs are the statement that describes the knowledge and the abilities the post-graduate will have by the end of program studies.

PO1: In-depth and detailed functional knowledge of the fundamental theoretical concepts and experimental methods of chemistry.

PO2: Apply/implement interface between on the one hand, the history of chemistry and natural science and, on the other hand, issues pertaining to the areas of modern technology, health, and environment.

PO3: Skills in planning and conducting advanced chemical experiments and applying structural-chemical characterization techniques.

PO4: Skill in examining specific phenomena theoretically and/or experimentally.

PO5: Generation of new scientific insights or to the innovation of new applications of chemical research.

Programme outcome of Master of Arts (M.A.)

PO1 After successful completion of two year post graduate program in Arts a student should be able to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.

PO2 The postgraduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking of their respective subjects.

PO3 The program also empowers the post-graduates to appear for various competitive examinations or choose the any post graduate or research programme of their choice.

PO4 Students will acquire the creative ability.

PO5 The students acquire in depth knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough to solve the issues related with mankind.

PO6 Students can acquire research skills through project work.

PO7 The students will be ignited enough through the knowledge of the special PG programme to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

Programme specific Outcomes (PSOs)
INDEX

PSOs: CHEMISTRY

Programme Specific Outcomes (PSOs):

PSO1: Core competency: The chemistry graduates will know the fundamental concepts of chemistry and applied chemistry. These fundamental concepts would reflect the latest understanding of the field, and therefore, are dynamic in nature and require frequent and time-bound revisions.

PSO2: Communication skills: Chemistry graduates will possess minimum standards of communication skills expected of a chemistry graduate in the country. They are expected to read and understand the documents with in-depth analyses and logical arguments. Graduates are expected to be well-versed in speaking and communicating their idea/finding/concepts to wider audience.

PSO3: Critical thinking: Chemistry graduates are expected to know basics of cognitive biases, mental models, logical fallacies, scientific methodology and constructing cogent scientific arguments.

PSO4: Psychological skills: Chemistry Graduates are expected to possess basic psychological skills required to face the world at large, as well as the skills to deal with individuals and students of various sociocultural, economic and educational levels. Psychological skills may include feedback, loops, self-compassion, self-reflection, goal-setting, interpersonal relationships, and emotional management.

PSO5: Problem-solving:

Chemistry Graduates will be equipped with problem-solving philosophical approaches that are pertinent across the disciplines.

PSO6: Analytical reasoning:

Chemistry Graduates acquire formulate cogent arguments and spot logical flaws, inconsistencies, circular reasoning etc.

PSO7: Research-skills:

Chemistry Graduates will be keenly observant about what is going on in the natural surroundings to awake their curiosity. Chemistry Graduates are expected to design a scientific experiment through statistical hypothesis testing and other a priori reasoning including logical deduction.

PSO8: Teamwork:

Chemistry Graduates will be team players, with productive cooperations involving members from diverse socio-cultural backgrounds.

PSO9: Digital Literacy:

Chemistry Graduates are expected to be digitally literate for them to enroll and increase their own competency via e-learning resources such as MOOC and other digital tools for lifelong learning. Chemistry Graduates should be able to spot data fabrication and fake news by applying rational skepticism and analytical reasoning.

PSO10: Moral and ethical awareness:

Chemistry Graduates will be responsible citizen of India and be aware of moral and ethical baseline of the country and the world. They are expected to define their core ethical virtues good enough to distinguish what construes as illegal and crime in Indian constitution. Emphasis be given on academic and research ethics, including fair Benefit Sharing, Plagiarism, Scientific Misconduct and so on.

PSO11: Leadership readiness:

Chemistry Graduates are expected to be familiar with decision making process and basic managerial skills to become a better leader. Skills may include defining objective vision and mission, how to become charismatic inspiring leader and so on.

PSOs: PHYSICS

PSO1: Domain knowledge:

Graduates will have an in-depth comprehension of fundamental theories and principles across various domains of physics, encompassing classical mechanics, electromagnetism, thermodynamics, quantum mechanics, nuclear and high-energy physics, solid-state physics, materials science, electronics, and modern physics.

PSO2: Problem Analysis:

Graduates will demonstrate adeptness in analysing complex physical problems, formulating hypotheses, and employing appropriate mathematical and computational techniques for solutions. They will understand the significance of equations, formulas, graphs, and mathematical tools. Furthermore, they will effectively utilize technology for experimental design and implementation, data analysis, numerical methods, and computational techniques in problem-solving.

PSO3: Design Development of solutions:

Graduates will possess the capability to create and execute experimental setups, simulations, and theoretical models, effectively addressing scientific inquiries and resolving practical physics-related issues. They will have both fundamental and advanced-level expertise in physics, enabling them to proficiently utilize computational tools and scientific software.

PSO4: Conduct Investigation of complex problems: Graduates will exhibit proficiency in conducting investigations of intricate physics problems, which involves effectively utilizing established knowledge and methodologies to design experiments, meticulously analyzing resulting data to extract pertinent information, and accurately interpreting data to draw valid conclusions, thereby contributing to a deeper comprehension of the problem under scrutiny.

PSO5: Modern Tools: Graduates will demonstrate proficiency in employing modern experimental, computational, and data analysis tools and techniques prevalent in physics research and industrial settings. They will adeptly apply and cultivate skills in physics and engineering for industrial applications, production, and technology development and transfer. Furthermore, they will have advanced analytical skills tailored for job requirements in industries, consultancies, educational institutions, research organizations, or public administration.

PSO6: Communication Skills: Graduates will effectively communicate scientific ideas, methodologies, and results through written reports, oral presentations, and scientific publications, facilitating collaboration and dissemination of knowledge within the scientific community.

PSOs: ANALYTICAL CHEMISTRY

PSO1: Core competency:

The Analytical chemistry graduates will know the fundamental concepts of analytical and applied chemistry. These fundamental concepts would reflect the latest understanding of the field, and therefore, are dynamic in nature and require frequent and time-bound revisions.

PSO2: Communication skills:

Analytical chemistry graduates will possess minimum standards of communication skills expected of a Analytical Chemistry graduate in the country. They are expected to read and understand the documents with in-depth analyses and logical arguments. Graduates are expected to be well-versed in speaking and communicating their idea/finding/concepts to wider audience.

PSO3: Critical thinking:

Analytical Chemistry graduates are expected to know basics of cognitive biases, mental models, logical fallacies, scientific methodology and constructing cogent scientific arguments.

PSO4: Psychological skills:

Analytical chemistry Graduates are expected to possess basic psychological skills required to face the world at large, as well as the skills to deal with individuals and students of various

sociocultural, economic and educational levels. Psychological skills may include feedback loops, self-compassion, self-reflection, goal-setting, interpersonal relationships, and emotional management.

PSO5: Problem-solving: Analytical Chemistry Graduates will be equipped with problem-solving philosophical approaches that are pertinent across the disciplines.

PSO6: Analytical reasoning: Chemistry Graduates acquire formulate cogent arguments and spot logical flaws, inconsistencies, circular reasoning etc.

PSO7: Research-skills: Analytical Chemistry Graduates will be keenly observant about what is going on in the natural surroundings to awake their curiosity. Analytical Chemistry Graduates are expected to design a scientific experiment through statistical hypothesis testing and other a priori reasoning including logical deduction.

PSO8: Teamwork: Analytical Chemistry Graduates will be team players, with productive cooperations involving members from diverse socio-cultural backgrounds.

PSO9: Digital literacy: Analytical Chemistry Graduates are expected to be digitally literate for them to enroll and increase their core competency via e-learning resources such as MOOC and other digital tools for lifelong learning. Chemistry Graduates should be able to spot data fabrication and fake news by applying rational skepticism and analytical reasoning.

PSO10; Moral and ethical awareness: Analytical Chemistry Graduates will be responsible citizen of India and be aware of moral and ethical baseline of the country and the world. They are expected to define their core ethical virtues good enough to distinguish what construes as illegal and crime in Indian constitution. Emphasis be given on academic and research ethics, including fair Benefit Sharing, Plagiarism, Scientific Misconduct and so on.

PSO11: Leadership readiness Analytical Chemistry Graduates are expected to be familiar with decision making process and basic managerial skills to become a better leader. Skills may include defining objective vision and mission, how to become charismatic inspiring leader and so on.

PSOs: MATHEMATICS

PSO 1.Disciplinary Knowledge: Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas..
PSO 2.Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing and various aspects of real life problems.
PSO 3.Problem Solving: The Mathematical knowledge gained by the students through this programme develops an ability to analyse the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall developments.

PSO 4. Research related skills: The completing this programme develops the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics. Ability to pursue advanced studies and research in pure and applied Mathematical sciences

PSO 5.Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equations and differential equations.

PSO 6. Self-directed learning: The students completing this programme will develop ability of working independently and to make an in-depth study of various notions of Mathematics.

PSOs: BOTANY

PSO1-A graduate of botany acquire various career opportunities. Apply the knowledge of fundamental and advanced areas of plant science for the wellbeing of the human

PSO2 -Student acquire ability to work as botanists, work primarily outdoors in forest or fields, for identification of plants.The basic knowledge and evolution of different plant groups like bacteria ,algae ,fungi ,bryophytes ,Pteridophytes ,Gymnosperms an angiosperms will be given to students.

PSO3-Understanting structures of plant body .Students can work in laboratories, museum, Botanical garden or industries.

PSO4-Students can go to postgraduate/Higher studies in natural science, Agriculture, environmental Science and education.

PSO5-Students can work to develop organic farming and bio-fertilizers production ecofriendly insecticides and pesticides for the sustainable development.

PSO6-Students get opportunities in forest departments, pharmaceutical industries, botanical garden, landscaping, plant nurseries and breeding techniques.

PSOs: ZOOLOGY

PSO1: Domain knowledge: This programme will demonstrate and apply the deep knowledge of fundamental and advanced areas of subject zoology that will provide both classical and modern concepts of zoology in higher education.

PSO2: Problem Analysis: Identify the problems related to subject at varied complexity and develop strong, critical thinking and abilities for substantiated solution and conclusion effectively.

PSO3: Design Development of solutions: Graduates will possess the capability to create and execute research ideas. They will have both fundamental and scientific approach towards Zoology.

PSO4: Conduct Investigation of complex problems: Graduates will be established knowledge and methods to design experiments, analyze resulting data and interpret the same to provide valid conclusions. Importance is given to practical learning and presentation skill of students. The lab courses and skill provide students to their employability.

PSO5: Modern Tools and techniques: Graduate will create appropriate techniques and cultivate skills in life science for agricultural, animal husbandry and relevant to human studies more emphasis is given to branches like biochemistry, economic zoology, behavioral biology, evolutionary biology, molecular biology, genetic engineering, bioinformatics etc.

PSO6: Communication Skills: Graduates will effectively communicate scientific ideas, methodologies, and results through written reports, oral presentations, and scientific publications, facilitating collaboration and dissemination of knowledge within the scientific community.

PSO6: Research related skill: Ability to pursue advanced studies and research in zoology and provide opportunity for the mobility of the student both within and across the world.

PSOs: COMPUTER SCIENCE

PSO1. Domain knowledge: Apply the knowledge of Computer Science fundamental, and advanced areas of Computer Science to provide comprehensive solution.

PSO2. Problem Analysis: Identify Computer Science related problems at varied complexity and analyze the same to formulate/ develop substantiated conclusion.

PSO3. Design Development of solutions: Design/ develop solutions for problems at varied complexity in various areas of Computer Science to address changing challenges put forward by market demand/ stakeholder.

PSO4. Conduct Investigation of complex problems: Use established knowledge and methods to design of experiments, analyze resulting data and interpret the same to provide valid conclusions.

PSO5. Modern tools: Create, select, and apply appropriate techniques, resources, and modern electronics and relevant IT tools including prediction and modeling to complex Information Technology related activities with clear understanding of the limitations.

PSOs: ENGLISH

Program Specific Outcomes

PSO1: Sensitize students to aesthetic, cultural and social aspects of literature.

PSO2: Provide students with extensive view of social, political, cultural and other aspects of society as reflected in literature.

PSO3: Acquire life and communication skills and focus on vocational skills.

PSO4: Learn to appreciate creative art and literature.

PSO5: Develop students' abilities like creative thinking and writing.

PSO6: Engage students with major genres of literature and develop fundamental skills required for close reading and critical thinking of the text and context.

PSO7: Acquire in depth knowledge of the religious, socio- intellectual and cultural thoughts through literature.

PSO8: Create holistic approach towards education.

PSO9: Develop knowledge competence in select thrust areas that would provide direction to the students in terms of research as well as career options.

PSO10: Develop a sense of inquiry and capability among students for asking relevant/ appropriate questions, problem solving, synthesizing and articulating.

PSO11: Create atmosphere of research and motivate students to undertake research in humanities.

PSO12: Encourage multidisciplinary research.

PSO13: Provide job opportunities through skill- based courses.

PSO14: Understand and recognize value system, moral dimensions and self-responsibility for nation and society.

PSOs HINDI

इस पाठ्यक्रम के अध्ययनोपरांत 03/04 वर्ष की स्नातक उपाधि प्राप्ति के बाद छात्रों में निम्नलिखित योग्यता प्राप्त होगी।

पाठ्यक्रम परिणाम (Programme Specific Outcome)

- मानवीय भावना और संवेदना को संवर्धित और संरक्षित किया जा सकेगा।
- सामाजिक मूल्यों को बढ़ावा देकर राष्ट्रीय चेतना की प्रबलता दिखाई देगी।
- छात्रों में अभिव्यक्ति कौशल और साहित्य के संस्कारों का बीजारोपण होगा।
- छात्रों में व्यक्तित्व विकास, संवाद कौशल और नेतृत्व के गुण परिलक्षित होंगे।
- पाठ्यक्रम से समरसता और विश्व शांति के लिए सामाजिक समर्थन बढ़ेगा।
- छात्रों में परिवेश की समझ और मंचीय कला का प्रभाव देखा जा सकेगा।
- छात्र रोजगार की अनेक संभावनाएँ की तलाश करने में सक्षम बनेंगे।
- छात्रों में अकादमिक और सांस्कृतिक जागरूकता की वृद्धि होगी।
- हिंदी की टंकण व्यवस्था और साहित्य सृजन का कौशल सीख पाएंगे।
- साहित्य की सभी विधाओं से छात्र भली-भाँति परिचित हो पाएंगे।
- पर्यावरण और विज्ञान के संबंध में ज्ञान बढ़ाने से संतुलन को बनाए रखने में मदद मिलेगी।
- छात्रों में अनुसंधानात्मक एवं वैज्ञानिक दृष्टिकोण निर्माण होगा।
- विभिन्न प्रतियोगितात्मक परीक्षा संबंधी बुनियादी ज्ञान प्राप्त होगा।
- छात्र चिंतन,विवेचन और मूल्यांकन से संबंधित विभिन्न संदर्भों को जान सकेंगे।
- साहित्य और सिनेमा के माध्यम से छात्र विभिन्न सामाजिक विषय, समस्या एवं जटिलताओं को प्रभावी रूप से समझेंगे।

PSOs: URDU

PSO1: Develop a passion for Urdu language & literature, sparked by the exploration of diverse comic, poetic & prose genres.

PSO2: Ethical and social concern will develop with the teaching of satirical and humorous subjects and literature.

PSO3: Urdu, as a civilized & cultured language, empowers students to become responsible citizens & well-rounded individuals.

PSO4: A better understanding and ability to create various satirical and humorous poetry and prose genres of Urdu language will be developed.

PSO4: Develop an appreciation for poetry through Urdu Gazal, Nazm and Qita.

PSO5: Cultivate aesthetic and literary tastes through undrestanding poetic genres.

PSO6: Urdu, as a civilized & cultured language, empowers students to become responsible citizens & well-rounded individuals.

PSO7: Gain a deeper understanding and creative expression in Urdu poetry genres..

PSOs: POLITICAL SCIENCE

PSO1: Understanding the nature and developments in national and international politics.

PSO2: Analyzing the Indian constitutional provisions, major legislations and reforms.

PSO3: Critical evaluation of social, economic and political variables for a proper understanding of the plurality of Indian society.

PSO4: Building overall consciousness regarding national political history, international relations and eminent Indian and Western political thinkers.

PSO5: Developing knowledge of administrative studies with special reference to Indian Administrative structures and practices.

PSO6: Examining India's foreign relations with her neighbors and great powers.

PSO7: Use of case study method for analysing the working of important international and regional organizations like UN, EU, ASEAN etc.

PSO8: To inculcate among students a basic understanding of the rights and duties of citizenship and thereby to act as responsible citizens.

PSOs: HISTORY

PSO1: Understand background of different religion, custom institution, administration, civilization and the Importance of our Glorious Past.

PSO2: Understand the present existing social, political, religious, and economic conditions of the people and past conditions and earn The Basic Skill of history Writing & research.

PSO3: Analyze relationship between the past and present is lively presented in the history.

PSO4: History installs the feeling of patriotism in the hearts of the pupils.

PSO5: Understand and remember the basic themes, concept, nature, chronology and scope of national and international History and memorize.

PSO6: Understand the history of countries other than India with comparative approach.

PSO7: History installs the feeling of patriotism, devotion, ethics, morals, justice, equality, brotherhood etc. in the heart of the students.

PSOs: ECONOMICS

1. To understand the basic principles of Micro Economics.
2. To interpret, charts, graphs and figures.
3. To develop an understanding the basic theories of micro economic analysis and their applications.
4. To demonstrate the theories discussed in the class to be applied to the real life situations.
5. To understand how optimum real life decisions are taken by students under situations of scarcity.
6. To understand about various functions of the banks.
7. To understand various data collection techniques in economics.
8. To understand the basic concepts of price theory
9. To provide knowledge to the students about the RBI and monetary policy.
10. To create awareness about modern banking techniques.

PSO9: The study of economics can also provide valuable knowledge for making decisions in everyday life.

PSOs: PSYCHOLOGY

1. Understanding Psychological Theories and Concepts: Provide a comprehensive understanding of major theories, concepts, and historical developments in psychology across various subfields.

2. Critical Thinking and Analysis: Foster critical thinking skills to evaluate psychological research, theories, and real-world applications, encouraging students to question assumptions and draw evidence-based conclusions.

3. Developing Research Skills: Equip students with the ability to design, conduct, and analyse psychological research using both quantitative and qualitative methods.

4. Effective Communication Skills: Develop effective written and oral communication skills to articulate psychological concepts, research findings, and arguments to diverse audiences.

5. Application of Psychological Principles: Enable students to apply psychological principles and theories to understand human behavior in various contexts, such as education, healthcare, business, and social services.

6. To orient the students towards identification and analysis of various aspects of Psychology.
7. To develop students' aptitude for acquiring basic skills of carrying out field work.
8. To guide students to learn the science and art of collecting, processing and interpreting the data.
9. Demonstrate the ability to communicate information by utilising both lecture and practical exercises.
10. Inculcate the ability to evaluate and solve psychological problems effectively.

PSOs: SOCIOLOGY

PSO1: To understand different section of society, institution and other structural elements.
PSO2: It provides an understanding of the approach, concepts and sociological history of sociology.
PSO3: To apply the research process like formulation of problems, hypothesis sampling and data collection, data analysis and statement.
PSO4: Define globalization and analyze its impact on social economic political and cultural spheres.
PSO5: To evaluate the social change that is taken place in our society.
PSO6: To create sociology way of thinking, design social norms construct sociological values among the students.

PSOs: HOME SCIENCE

PSO1: Understand the basic concept and modern trends I Home Science
PSO2: Make the students aware of the application of Home Science Concepts.
PSO3: Understand the relationship between theoretical and practical principles of Home Science.
PSO4: Make the students aware of the various concepts in Home Science of the Indian Context.

PSO5: Understand the Home Science Measurements to help to understand the client.

PSO6: Understand the students how to follow up the behavioral problem and solve with the behavior.

PSO7: Administer Home Science measurement and their interpretation.

PSOs: BCS

Programme Specific Outcomes (PSOs):

PSO1. Domain knowledge: Apply the knowledge of Computer Science fundamentals, and advanced areas of Computer Science to provide comprehensive solutions.

PSO2. Problem Analysis: Identify Computer Science-related problems at varied complexity and analyze the same to formulate/develop substantiated conclusions.

PSO3. Design Development of solutions: Design/develop solutions for problems at varied complexity in various areas of Computer Science to address changing challenges put forward by market demand/stakeholders.

PSO4. Conduct Investigation of complex problems: Use established knowledge and methods to design experiments, analyze resulting data, and interpret the same to provide valid conclusions.

PSO5. Modern tools: Create, select, and apply appropriate techniques, resources, and modern electronics and relevant IT tools including prediction and modeling to complex Information Technology-related activities with a clear understanding of the limitations.

PSOs: MA URDU

PSO1: Appreciate richness and beauty of Urdu language and its literature.

PSO2: Learn about various formats like Masnavi, Qasida, Ghazal, Rubai, Maktoob, Reportaj etc of Urdu literature.

PSO3: Get motivated to take up careers like journalism, novel writing etc.

PSO4: Enhance their creative skills and critical thinking; adapt and prosper in the ever changing global social and cultural environment.

PSO5: Confidently take up projects and jobs as translators and other related works.

PSO6: To promote Urdu language and literature by means of their excellent teaching and research, when they take up these professions.

PSO7: See that Urdu survives and become an ever living vibrant language.

PSOs: MA ENGLISH

PSO1: Improve the four skills of reading, writing, speaking and comprehension.

PSO2: Exchange dialogue and ideas with confidence and courage.

PSO3: Achieve a better and improved accent, intonation and pronunciation of English.

PSO4: Interpret the texts and appreciate their aesthetic value

PSO5: Understand how the study of literature incorporates other disciplines like anthropology, social sciences etc.

PSO6: To write articles and research papers in English

PSO7: Polish their skills of public speaking and oration.

PSO8: To opt for careers in journalism, creative writing like script writing, dialogue writing etc.

PSO9: They can also impart training in communication skills and personality development.

PSO10: They can become trainers in accent and voice training in corporate and BPO.

PSOs: MSc CHEMISTRY

PSO1: To understand basic concepts and facts of chemistry and also to develop interest in the study of chemistry.

PSO2: Students can apply the knowledge of basic concepts to advance studies - named reactions, reagents, heterocyclic compounds, natural products in living organisms and their roles.

PSO3: Students understand the subject deeply and can develop appropriate approaches towards the subject.

PSO4: Students learn the handling of instruments.

PSO5: Students learn different spectral methods of analysis for structure elucidation.

PSO6: Students understand the principles of drugs design and retrosynthetic approach.

PSO7: Students can perform reactions, monitoring them independently and understand techniques for characterizing the products as the foundations of industries.

PSO8: The learners get the basic understandings of research- data generation, collection, conclusions and report writing.

PSO9: The programme enables the learners to qualify competitive examinations such as GATE, SET, and NET-JRF.

PSO10: Students become able to get jobs in industries, laboratories and teaching professions.