

PROGRAMME SPECIFIC OUTCOMES (PSO)



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PG PROGRAMMES

M. Sc. FOOD SCIENCE AND TECHNOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 They demonstrate in-depth knowledge of the scientific foundations of the disciplines in engineering and the natural sciences that constitute the field of food technology

PSO2 They demonstrate an ability to analyze both complete systems and the constituent parts of the industrial manufacture of food products

PSO3 They demonstrate an insight into how different sub-systems co-operate with each other

PSO4 They demonstrate an insight into current research and development in the field

PSO5 They demonstrate enterprising skills

PSO6 They demonstrate an ability to identify, formulate and treat complex issues in the field of food technology from a holistic perspective and in an independent manner

PSO7 They able to analyze and evaluate critically various technical solutions in the field

PSO8 They demonstrate an ability to be able to participate in research and development projects in food technology

PSO9 They demonstrate an ability to acquire new knowledge in the field and to integrate this with existing knowledge

PSO10 They demonstrate an ability to plan and execute advanced assignments in the field in an independent manner

PSO11 They demonstrate an ability to develop and design industrial food product systems and processes with regard to human needs and conditions, and the goals of society both local and global, for sustainable development

PSO12 They demonstrate an ability to give a clear account of his/her level of knowledge and various types of project work, both orally and in writing, in an international context

PSO13 They demonstrate an ability to make judgments with regard to relevant scientific, social and ethical aspects in the field

PSO14 They demonstrate an ability for working in a team and for cooperation with variously constituted groups

PSO15 They demonstrate an ability to identify his/her need of further knowledge in the field and continuously deepen

PSO16 Demonstrate practical proficiency in a food analysis laboratory

M. Sc. GENERAL BIOTECHNOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 Acquire knowledge relevant to Biotechnology from Modern Biology courses.

PSO2 Identify the Biotechnological components required to satisfy the Human needs

PSO3 Apply Biotechnology for the large-scale exploration in healthcare, agriculture, environment and industry.

PSO4 Able to access social, environmental, public safety and health implications of Biotechnology practices.

PSO5 Appreciate difference between technologies adopted by Biotechnology over the other technologies

PSO6 Perceive research and development or biotechnology based industrial venture as a carrier option.

M. Sc. MICROBIOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 Gain in-depth understanding of various aspects of microbiology pertaining to medical, agricultural, environmental and industrial applications.

PSO2 Familiarized with latest and advanced research tools and techniques pertaining to biology.

PSO3 Analysis of scientific issues across the spectrum of related disciplines.

PSO4 Acquire skills specific to microbiology and allied fields for converting information to knowledge through hypothesis, design, execution and analysis.

PSO5 Design experiments to prove scientific process and to synthesize product/ services for the benefit of community.

PSO6 Ability to retrieve biological information through data mining and data handling.

PSO7 Ability to present their work through written, oral, and visual presentations, including an original research proposal.

PSO8 Enable the students to improve the quality of human lives in relation to environment with the knowledge in microbiology.

PSO9 Capacity to work as a member of team upholding the essence of collaboration, cooperation, ethics and integrity.

PSO10 Ability to upgrade knowledge independently and act upon means of improvement for lifelong learning.

M.A. ISLAMIC FINANCE

PROGRAMME SPECIFIC OUTCOME

PSO1 Principles of Islam from the basic and fundamental perspective

PSO2 Overview of Islamic history and civilization

PSO3 Over all understanding different Muslim sects, and their origin, development and fundamental doctrine

PSO4 Over all understanding of modernity and Islam

PSO5 Islamic views regarding politics, economics and protection of environment

PSO6 Impact of west on Islam and Islamic world

PSO7 Comparison if world religions to understand the similarities and differences.

PSO8 Islamic concept of pluralism and co-existence with different religions.

U G PROGRAMMES

B. Sc. BIOTECHNOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 Acquire basic knowledge about fundamentals of Biotechnology programme

PSO2 Understand the technological components in Biotechnology after acquiring basics of classical science and engineering

PSO3 Apply the Biotechnology for the large-scale exportation in healthcare, agriculture, environment and industry.

PSO4 Analyse the basic problems that can be addressed by biotechnology

PSO5 Appreciate difference between technologies adopted by Biotechnology over the other technologies

PSO6 Perceive the option of higher studies in the specific area or in a biotechnology based industrial venture.

B. Sc. FOODTECHNOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 They will demonstrate knowledge of Food Chemistry, Food Microbiology, Food science and Food engineering.

PSO2 They will demonstrate an ability to identify, formulate and solve processing problems related to food sector/industry.

PSO3 They will able to focus on the importance of safe processed nutritious food.

PSO4 They will be get exposure to various technologies aspect of Food product preparation.

PSO5 They will demonstrate an ability to design or process food products as per the needs and specifications.

PSO6 They will demonstrate an ability to work in Food industries, research organization and teaching.

PSO7 They will demonstrate skills to use modern tools and equipment to analyse food prone infection and food spoilage.

PSO8 They will demonstrate knowledge of professional and ethical responsibilities.

PSO9 They will be able to understand economic importance of food products and food laws.

PSO10 They will show the understanding of impact of technological solutions on the society and also will be aware of contemporary issues.

PSO11 They will develop confidence for self-education and ability for life-long learning.

B. Sc. COMPUTER SCIENCE AND APPLICATION

PROGRAMME SPECIFIC OUTCOME

PSO1 Demonstrate the aptitude of Computer Programming and Computer based problem solving skills.

PSO2 Display the knowledge of appropriate theory, practices and tools for the specification, design, implementation

PSO3 Ability to learn and acquire knowledge through online courses available at different massive open online course providers.

PSO4 Ability to link knowledge of Computer Science with other two chosen Complementary disciplines of study.

PSO5 Display ethical code of conduct in usage of Internet and Cyber systems.

PSO6 Ability to pursue higher studies of specialization and to take up technical employment.

PSO7 Ability to formulate, to model, to design solutions, procedure and to use software tools to solve real world problems and evaluate.

PSO8 Ability to operate, manage, deploy, configure computer network, hardware, software operation of an organization.

PSO9 Ability to present result using different presentation tools.

PSO10 Ability to appreciate emerging technologies and tools.

B. Sc. PHYSICS

PROGRAMME SPECIFIC OUTCOME

PSO1 Understand the basic concepts of fundamentals of mechanics, properties of matter and electrodynamics

PSO2 Understand the theoretical basis of quantum mechanics, relativistic physics, nuclear physics, optics, spectroscopy, solid state physics, astrophysics, statistical physics, photonics and thermodynamics

PSO3 Understand and apply the concepts of electronics in the designing of different analogue and digital circuits

PSO4 Understand the basics of computer programming and numerical analysis

PSO5 Apply and verify theoretical concepts through laboratory experiments

B. Sc.PSYCHOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 Understand the different fields of Psychology

PSO2 Acquire basic Theoretical knowledge and practical applications it in different fields of Psychology

PSO3 Learn anatomical and physiological aspects of Human Behaviour

PSO4 Laboratory experience make them equipped to use basic Psychological Tests and experiments

PSO5 Enhance Critical thinking of students to relate with current needs of the society in the area of mental Health

PSO6 Develop scientific mind to apply the theoretical knowledge on different disorders and understand the practical application of Psychotherapeutic management during post graduate levels

PSO7 Acquire basic skills to conduct Research work in Psychology using statistical knowledge

PSO8 Analyse one's own psycho-social development towards personal, academic, and professional growth.

PSO9 Choose a Master's Program in Psychology according to their aptitude and interest.

B. Sc. MICROBIOLOGY

PROGRAMME SPECIFIC OUTCOME

PSO1 Gain integrated knowledge on different aspects of microbiology, biochemistry, biostatistics and computer applications bioinformatics and emerging worldwide microbiological technologies, issues, and perspectives.

PSO2 Acquire skills specific to microbiology and allied fields for converting information to knowledge through hypothesis, design, execution and analysis.

PSO3 Analysis of scientific issues across the spectrum of related disciplines.

PSO4 Enable the students to improve the quality of human lives in relation to the environment with the knowledge in microbiology.

PSO5 Capacity to develop, employ and integrate technical and professional skills as a member of a team upholding the essence of collaboration, cooperation, ethics and integrity.

BACHELOR OF COMPUTER APPLICATIONS

PROGRAMME SPECIFIC OUTCOME

PSO1 Demonstrate the aptitude of Computer Programming and Computer based problem solving skills.

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PSO9 Ability to present result using different presentation tools.

PSO10 Ability to appreciate emerging technologies and tools.

В. Сом

PROGRAMME SPECIFIC OUTCOME

PSO1 The students will get new ideas, insights and thoughts. The mind set of students will change. They get new ideas and practical experience. Such students can face challenges with confidence and succeed in life.

PSO2 The students will be thorough with the procedures and formalities of establishment and management of business units. As all aspects are well debated, it will be easy for them to establish and successfully run business units.

PSO3 The students will be conversant with the various accounting principles and practices. All will be capable of recording, generating financial reports and arriving at conclusions and predictions.

PSO4 The inter-disciplinary approach will help students to solve business issues easily and will emerge as successful entrepreneurs in future.

PSO5 The multidisciplinary in-depth learning across all related topics of business and industry will definitely pave a strong foundation for higher learning in commerce and management.

PSO6 In depth understanding of management principles will help to create managerial aptitude and skills in students will foster successful managers for future.

PSO7 In depth understanding of Accounting principles and practices coupled with interdisciplinary learning will help to create newer ideas in accounting and will bring in innovative and creative professionals in Finance, Cost and Management.

PSO8 The knowledge of direct and indirect taxation will open up a new area of living by students. Information on both direct and indirect taxation systems will cut open a wider area of employment and professionalism.

PSO9 The improved communication skills and basic understanding of laws in force of the country will definitely add to the content level and level of interaction by students.

PSO10 Students become more confident, self-reliant, competent and Competitive with practical insights and thorough learning.

B.A. ECONOMICS

PROGRAMME SPECIFIC OUTCOME

PSO1 Students critically evaluate and apply the theories and techniques of economics.

PSO2 Students demonstrate subject-specific "thinking" skills that are readily transferable to problem solving and decision making in a wider context.

PSO3 Students develop interest for lifelong learning, employing a range of practical and professional skills.

PSO4 Student find, evaluate, synthesize and use information from a variety of sources

PSO5 Students articulate an awareness of the social and community contexts within their disciplinary field

PSO6 Students assimilate knowledge of fundamental concepts and theoretical propositions

PSO7 Students understand the methodology by which economic ideas are framed, tested and modified.

PSO8 Students take up a career in economics and related areas.

PSO9 Students analyse the economic issues of national and international importance and realize the dynamics behind them.

PSO10 Students generalise how the economic policies of the government and governmental institutions affect the common people.

PSO11 Students critically evaluate and apply the theories and techniques of economics.

PSO12 Students demonstrate subject-specific thinking skills that are readily transferable to problem solving and decision making in a wider context.

BA ENGLISH LANGUAGE ANDLITERATURE

PROGRAMME SPECIFIC OUTCOME

PSO1 Understand and differentiate between different types, canons, movements and contexts of literature

PSO2 Develop and apply advance language skills both in and outside classroom.

PSO3 Develop analytical ability and critical thinking

PSO4 Assimilate literary theory and learn to connect text with its multiple contexts

PSO 5 Critically examine the wide range of perceptions that exist in society through li terary texts and thus imbibe a sense of democratic co-existence.

BA ISLAMIC FINANCE WITH COMPUTER APPLICATION

PROGRAMME SPECIFIC OUTCOME

PSO1 Critically analyse, evaluate the financial system and apply the theories and techniques of interest free financial transactions.

PSO2 Demonstrate subject-specific 'thinking' skills that are readily transferable to problem solving and decision making in a wider context.

PSO3 Enhance their lifelong learning, employing a range of practical and professional skills.

PSO4 Find, evaluate, synthesize and use information from a variety of sources

PSO5 Use of modern computing and accounting techniques

PSO6 Articulate an awareness of the social and community contexts within their disciplinary field