

PROGRAMME NAME: BSC BOTANY MODEL I

PROGRAM OUTCOMES

On completion of undergraduate programme, the student is expected to achieve the following programme outcomes

PO1	Critical and Logical Thinking	Apply critical thinking and logical reasoning acquired from the classroom and laboratory in real-life situations
PO2	Effective Communication	Develop effective communication skills through seminars, project presentations and classroom activity to utilize them in practical situations for meaningful interactions with people, organizations and government bodies.
PO3	Problem Solving Skill	Evaluate and solve problems in everyday life using the knowledge, skills and attitudes acquired through informed learning
PO4	Computational and Observational Skill	Adapt data-based approach to classify, relate and interpret data using computing technology-based tools so as to demonstrate working solutions and apply observational competence in real life situations
PO5	Human Rights, Gender and Environment Consciousness	Develop a deep realization on Human Rights, Gender and Environmental issues from a global and regional perspective in order to make empathetic decisions and offer creative, constructive and sustainable solutions

PROGRAMME NAME: BSC BOTANY MODEL I

PROGRAM SPECIFIC OUTCOMES (PSO)

On completion of undergraduate programme, the student is expected to achieve the following programme specific outcomes.

PSO 1	Develop practical skills for identification and classification of various life forms of plants along with organization and interpretation of biological data
PSO 2	Understand the morphological, structural and functional peculiarities of plants and apply the concepts for the betterment of society and environment.
PSO 3	Students will be able to explain how Plants function at gene, genome, cellular and tissue level
PSO 4	Students will be able to relate the physical features of the environment to the structure of, and ecosystems and understand the importance of natural resources and conservation.
PSO 5	Impart knowledge in the field propagation of plants and make them competent enough in various analytical and technical skills related to plant sciences.

PROGRAMME SPECIFIC OBJECTIVES (PSO) – M.SC BOTANY

PSO 1	To encourage a clear, comprehensive and advanced mastery in the field of Botany
PSO 2	To provide basic principles of biological sciences with special reference to Botany and its applied branches.
PSO 3	Enabling the students to explore the intricacies of life forms at cellular, molecular and nano level
PSO 4	To sustain students' motivation and enthusiasm and to help them not only to appreciate the beauty of different life forms but also to inspire them in the dissemination of the concept of biodiversity conservation
PSO 5	To develop problem solving skills in students and encourage them to carry out innovative research projects thereby enkindling in them the spirit of knowledge creation

PROGRAMME NAME: Doctor of Philosophy in Botany [Ph. D. Botany]

PROGRAMME SPECIFIC OUTCOME (PSO)

PSO 1	The Doctorate programme aims to train the young researchers to fill the existing research gap in the scientific front with their discoveries. Research discussions are mediated by the faculties to cultivate the curious minds to raise the right questions.
PSO 2	The extensive coursework is designed in a way to prepare the students with research methodology, scientific analysis, ethics etc, to rationalise the study and to circumvent the challenges faced during a research study.
PSO 3	The students are facilitated with modern equipment and infrastructure facilitate them to design the experiments for their novel findings.
PSO 4	Evaluation of their progress by conducting seminars to familiarise the students with presentation skills, thus providing an encouragement to communicate their scientific investigation.
PSO 5	Creating a conducive environment for the young minds to bloom in order to become an asset to the society by refining their scientific temperament in Biology and specifically in plant science.