

M.Sc. (Botany)

Programme outcomes (POs):

Transformed curriculum shall develop educated outcome-oriented candidature, fostered with discovery-learning, equipped with practice & skills to deal practical problems and versed with recent pedagogical trends in education including e-learning, flipped class and hybrid learning to develop into responsible in the field of plant science. citizen for nation-building and transforming the country towards the future with their knowledge gained in the plant science.

Semester -I

S. No.	Course code	Paper Title	Course Outcome
1	B0T101	Diversity of Microbes and Fungi	Knowledge About, Viruses, Bacteria, Mycoplasma, Fungi, Lichen .
2	B0T102	Diversity of Algae and Bryophytes	Knowledge About, Different Algae & Bryophytes.
3	B0T103	Diversity of Pteridophytes and Gymnosperms	Knowledge About, Different Pteridophytes and Gymnosperms .
4	B0T104	Plant Ecology	Knowledge About, Ecosystems, Ecological succession, Biological Diversity, Environmental Pollutions.

Semester -II

S. No.	Course code	Paper Title	Course Outcome
1	B0T201	Taxonomy of Angiosperms and Biosystematics	Knowledge About, Principles and outline of Different Classification, Taxonomy features and economic importance of different Families.
2	B0T202	Morphology, Anatomy and Embryology of Angiosperms	Knowledge About, Morphological Nature of Flower, Microsporogenesis and Megasporeogenesis, Apomixes, Polyembryony.
3	B0T203	Cytogenetics and Basic Molecular Biology	Knowledge About, Cell Cycle, Chromosome, Modern Concept of genes, Protein synthesis.
4	B0T205	Plant Breeding and Elementary Biostatistics	Knowledge About, Plant Breeding & Biostatistics.

Semester -III

S. No	Course code	Paper Title	Course Outcome
1	B0T301	Plant Physiology and Biochemistry.	Knowledge About, Photosynthesis, Respiration, Plant growth regulators, Enzymes.
2	B0T302	Plant Biotechnological and Molecular Techniques	Knowledge About, Recombinant DNA technology, PCR, Hybridization techniques, gene transfer.
3	B0T305E	Biodiversity and conservation	Knowledge About, Introduction to Biodiversity, Strategies for conservation of biodiversity.
4	B0T306E	Medicinal and aromatic plants	Knowledge About, Medicinal and aromatic plant past and present status, Some important aromatic plants in India.

Semester -IV

S. No	Course code	Paper Title	Course Outcome
1	B0T402E	Advanced Plant Pathology	Knowledge About, Historical and developmental aspects of plant pathology, Management of Plant diseases.
2	B0T403E	Advanced Phycology	Knowledge About, algal pigments, algal blooms, Algae and environmental pollutions etc.
3	B0T404E	Environmental sciences	Knowledge About, Earth's environment, ozone depletion, Pollution, Environmental Loss .
4	B0T407E	Conservation and Restoration Ecology	Knowledge About, Introduction to conservation ecology, conservation strategies, Degradation and restoration of natural ecosystems.