

M. Sc. BOTANY

PROGRAMME OUTCOME (PEOS)	
PEO1:	Address the socio-economic challenges related to plant sciences
PEO2:	Take up and shape a successful career in Botany
PEO3:	Have awareness on conservation and sustainable use of plants.
PEO4:	Develop skills to become entrepreneurs.
PEO5:	Inculcate thorough knowledge about various plants from primitive to highly evolved.

PROGRAMME OUTCOMES (POs)	
At the end of the programme the students will be able to	
PO1:	Know about different types of lower & higher plants, their evolution from algae to angiosperm & also their economic and ecological importance.
PO2:	Understand cell organelles & their functions through Cell biology & chemical properties of nucleic acid and their role in living systems through Molecular Biology.
PO3:	Learn laws of inheritance, various genetic interactions, chromosomal aberrations, multiple alleles and structural changes in chromosomes.
PO4:	Differentiate morphological & reproductive characters of plant and identify different plant families and classification.
PO5:	Apply the knowledge on economic importance of various plant products & artificial methods of plant propagation.
PO6:	Use modern Botanical techniques and advanced equipments.
PO7:	Inculcates scientific temperament and apply their knowledge outside the scientific community.
PO8:	Gain sound understanding on professional ethics, leadership and consensus building skills relevant to botany aspects of business enterprise.
PROGRAMME SPECIFIC OUTCOMES (PSOs)	
PSO1:	Students will acquire knowledge about various plant groups from primitive to highly evolved.

PSO2:	Students will imbibe deep understanding on basis plant life, reproduction and their survival in nature, role of living and fossil plants in our life.
PSO3:	Student will acquire skill as good laboratory practices and safety and field based studies
PSO4:	Student will apply knowledge on cultivation, conservation and sustainable utilization of biodiversity.
PSO5:	Student will know advance techniques in plant sciences like tissue culture, Phytoremediation, plant disease management, formulation of new herbal drugs, mushroom cultivation, biofertilizer production, fruit preservation and horticultural practices.