

DEPARTMENT OF BOTANY

Programme Outcome:

- Preparation on successful completion of the Botany Honours Programme for P.G courses anywhere in India or abroad.
- Provides the necessary qualification to pursue professional courses / jobs in the private or public sectors
- Besides earning a degree, the course content equips the student with indepth knowledge of Botany and can promote a research based career in various fields in different institutes.

Course Outcome:

Course Name	Course Outcome/s
Paper I Algae, Bryophyte and Pteridophytes	The paper will enable students to know the earlier plants, their vegetative and reproductive structures and their importance.
Paper II Gymnosperms, Paleobotany, Morphology and Anatomy	The paper will enable students to know about Gymnosperms, the earlier plants, their vegetative and reproductive structures and their importance.
Paper III Angiosperm, Taxonomy, Economic Botany, Ethnobotany and Phytogeography	The paper will enable students to know about the different tissue systems in angiosperms and how they function, the economic importance and distinguishing features of plants, wild plants use by ethnic people for food, medicine and distribution of plants.
Paper IV Microbiology, Mycology and Plant Pathology	The paper will enable students to know about different types of microorganisms, morphology and their uses and about plant diseases and their control measures.
Paper V Plant Physiology and Biochemistry	The paper will enable students to know about plant physiological processes, classification structure of Carbohydrates, Protein, Enzymes and Laws of Thermodynamics.
Paper VI Ecology and Conservation Biology	The paper will enable student to know about different ecological factors, ecological adaptations, population ecology, population interactions and community ecology. Students will also learn about structural and functional attributes of ecosystem and biochemical cycles.
Paper VII Genetics, Plant Breeding and Molecular Biology	This will enable students to learn about cell division, chromosome structure, Mendel's Laws of inheritance, principles and methods of crop, improvement, structure of DNA and RNA, mechanism of DNA replication and transcription and mechanism of protein synthesis
Paper VIII Plant Reproductive Biology and Plant Biotechnology	The paper will enable students to know about Reproductive Biology, cell and Tissue culture techniques, concept of Genetic engineering and its application, Crop biotechnology and introductory Bioinformatics