

B.Sc. Honours in Botany

Programme Specific Outcome	
1.	Role of plants in the functioning of the global ecosystem
2.	Students learn to carry out practical work, in the field and in the laboratory
3.	Think logically and organize tasks into a structured form
4.	Students can Use IT (word-processing, use of internet, statistical packages and databases)
5.	Identify the taxonomic position of plants, formulate the research literature, and analyze non reported plants with substantiated conclusions using first principles and methods of nomenclature and classification in Botany
6.	Apply reasoning informed by the contextual knowledge to assess plant diversity, its importance for society, health, safety, legal and environmental issues
7.	Apply ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation
8.	Understand the impact of the plant diversity in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development

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Course Code	Course Name	Course Outcome
BOTHCC01	Algae and Microbiology	Understanding of the lower plant groups and Microbial world
BOTHCC02	Biomolecules and Cell Biology	To understand the key molecules and activity of the plant cell
BOTHCC03	Mycology and Phytopathology	To understand the basic knowledge of different fungi
BOTHCC04	Archegoniate	To understand the basic knowledge of different fungi
BOTHCC05	Morphology and Anatomy	To understand about the different plant parts and their internal structure
BOTHCC06	Economic Botany	to understand the utilization of different fiber yielding plants for human beings
BOTHCC07	Genetics	understand about the Mendalian principle of genetics and the character inheritance
BOTHCC08	Molecular Biology	to know about the central dogma and their flow from one generation to another generation
BOTHCC09	Plant Ecology and Phytogeography	to know about the inter relationship between living world and environment
BOTHCC10	Plant Systematics	Describe general taxonomic rule on plant description, Identification and preservation
BOTHCC11	Reproductive Biology of Angiosperms	Describe the different mode of plant reproduction, pollen and pistil interaction
BOTHCC12	Plant Physiology	to know about the plant life process
BOTHCC13	Plant Metabolism	Understand about the different catabolic and anabolic process
BOTHCC14	Plant Biotechnology	Understand about the plant tissue culture
BOTHGE01	Biodiversity (Microbes, Algae, Fungi and Archegoniate)	Understanding of the lower plant groups and Microbial world
BOTHGE02	Plant Ecology and Taxonomy	to know about the inter relationship between plant and environment and plant conservation
BOTHGE03	Economic Botany and Plant Biotechnology	to understand the utilization of different plants for human welfare
BOTHGE04	Plant Anatomy and Embryology	To understand about the different plant parts and their internal structure
BOTHSE01	Biofertilizer	General account about the microbes used as biofertilizer
BOTHSE02	Mushroom Culture Technology	Cultivation Technology of different species of edible mushroom
BOTHDS01	Biostatistics	Methods of data collection and its different analysis method
BOTHDS02	Plant Breeding	Introduction and objectives and Breeding systems
BOTHDS03	Bioinformatics	Introduction about the biological database and their mathematical application
BOTHDS04	Research Methodology	To understand the basic concept of Research