



DEPARTMENT OF LIFE SCIENCES

Programme Title: B.Sc. Botany, Biotechnology and Biochemistry

Three Majors in Semesters I – IV, Two majors in Semesters V and VI and One Major in Semesters VII and VIII
2025-2026 BATCH

Sem.	Course Type	Course Title	Credits
I	DSC	Microbial Diversity and Algae	3
I	DSC	Microbial Diversity and Algae Practical	1
I	DSC	Cell Biology	3
I	DSC	Cell Biology Practical	1
I	DSC	Biophysical Chemistry	3
I	DSC	Biophysical Chemistry Practical	1
I	SEC	Horticultural Practices	3
II	DSC	Fungi, Bryophytes and Plant Anatomy	3
II	DSC	Fungi, Bryophytes and Plant Anatomy Practical	1
II	DSC	Microbiology and Microbial Techniques	3
II	DSC	Microbiology and Microbial Techniques Practical	1
II	DSC	Biomolecules	3
II	DSC	Biomolecules Practical	1
II	SEC	Nutrition and dietetics	3
III	DSC	Archegoniate and Environmental Biology	3
III	DSC	Archegoniate and Environmental Biology Practical	1
III	DSC	Biochemical techniques and Enzymology	3
III	DSC	Biochemical techniques and Enzymology Practical	1
III	DSC	Bioanalytical Techniques	3
III	DSC	Bioanalytical Techniques Practical	1
III	SEC	Mushroom Cultivation Technology	3
IV	DSC	Embryology of Angiosperms Practical	1
IV	DSC	Plant Taxonomy and Economic Botany	4
IV	DSC	Molecular biology	3
IV	DSC	Molecular biology Practical	1
IV	DSC	Human Physiology	3
IV	DSC	Human Physiology Practical	1
IV	SEC	Basics of Bioinformatics	3
IV	CC	Certificate Course	2
V	DSC	Plant Taxonomy and Economic Botany	4
V	DSC	Plant Taxonomy and Economic Botany Practical	2
V	DSC	Cytogenetics	4
V	DSC	Cytogenetics Practical	2
V	DSC	Genetic Engineering	4
V	DSC	Genetic Engineering Practical	2
V	DSC	Medical Biotechnology and Diagnostics	4
V	DSC	Medical Biotechnology and Diagnostics Practical	2



V	DSC	Advanced Biomolecular Chemistry	4
V	DSC	Advanced Biomolecular Chemistry Practical	2
V	DSC	Enzymes and Enzyme Technology	4
V	DSC	Enzymes and Enzyme Technology Practical	2
V	DSC	Research Methodology	4
V	SI	Internship	2
VI	DSC	Plant Physiology	4
VI	DSC	Plant Physiology Practical	2
VI	DSC	Immunology and Immunotechnology	4
VI	DSC	Immunology and Immunotechnology Practical	2
VI	DSC	Intermediary Metabolism	4
VI	DSC	Intermediary Metabolism Practical	2
VI	RPD	Research Project	4
VII	DSC	Organic farming and Sustainable Agriculture	4
VII	DSC	Organic farming and Sustainable Agriculture Practical	2
VII	DSC	Medicinal Botany and Phytochemistry	4
VII	DSC	Medicinal Botany and Phytochemistry Practical	2
VII	DSC	Plant Breeding and Crop improvement	4
VII	DSC	Seed Biology and Seed Technology	4
VII	DSC	Plant Biotechnology	4
VII	DSC	Animal Biotechnology	4
VII	DSC	Industrial Biotechnology	4
VII	DSC	Environmental Biotechnology	4
VII	DSC	Plant and Animal Biotechnology Practical	2
VII	DSC	Industrial and Environmental Biotechnology Practical	2
VII	DSC	Clinical Biochemistry	4
VII	DSC	Molecular Physiology	4
VII	DSC	Molecular Biology	4
VII	DSC	Immunology and Toxicology	4
VII	DSC	Clinical Biochemistry Practical	2
VII	DSC	Immunochemical and Biochemical Techniques Practical	2
VIII	DSC	Plant Tissue Culture	3
VIII	DSC	Forensic Botany	3
VIII	DSC	Stress Biology	3
VIII	DSC	Tissue Engineering	4
VIII	DSC	Clinical Research	3
VIII	DSC	Bioentrepreneurship and IPR	3
VIII	DSC	Biochemistry of Hormones	3
VIII	DSC	Plant Biochemistry	3
VIII	DSC	Pharmacology	3
VIII	RPD	Research Project	15