

M. Sc. BOTANY SEMESTER - 1

CORE PAPERS

- BOC-101 Biology and Diversity – I (Virus, Bacteria, Algae and Fungi) and Plant Pathology
BOC-102 Plant Taxonomy
BOC-103 Cell Biology
BOC-104 Genetics and Evolution

PRACTICAL PAPERS

- BOP-101 Practical Based on Topics Covered in BOC – 101 & BOC - 102
BOP-102 Practical Based on Topics Covered in BOC – 103 & BOC - 104

ELECTIVE PAPERS

Choice-based: Student should select any one course from the following

- BOE-101 Bio-fertilizer Technology
BOE-102 Environmental Biology
BOE-103 Biodiversity




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M. Sc. BOTANY – SEMESTER- II

CORE PAPERS

BOC-201	Biology and Diversity-II (Bryophytes and Pteridophytes)
BOC-202	Plant Development and Reproduction
BOC-203	Biochemistry, Biophysics and Instrumentation
BOC-204	Research methodology, Biostatistics, IPR and Biosafety

PRACTICAL PAPERS:

BOP-201	Practical Based on Topics Covered in BOC-201 & BOC-202
BOP-202	Practical Based on Topics Covered in BOC-203 & BOC-204

ELECTIVE PAPERS:

Choice-based: Student should select any one course from the following.

BOE-201	Plant Tissue Culture
BOE-202	River Ecology and Water management
BOE-203	Bioinformatics




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M. Sc. BOTANY – SEMESTER- III

CORE PAPERS

BOC-301	Biology and Diversity III (Gymnosperms and Fossils)
BOC-302	Molecular Biology of Plants
BOC-303	Plant Ecology
BOC-304	Plant Physiology

Practical Papers:

BOP-301	Practical Based on Topics Covered in BOC-301 & BOC-302
BOP-302	Practical Based on Topics Covered in BOC-303 & BOC-304

Elective Papers:

Choice – based: Student should select any one course from the following.

BOE-301	Air pollution and Climate Change
BOE-302	Herbal Medicine
BOE-303	Biostatistics




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M. Sc. BOTANY – SEMESTER- IV

CORE PAPERS

- BOC-401 Plant Biotechnology
BOC-402 Ethnobotany, Mushrooms and Mycorrhiza
BOC-403 Plant Resources Utilization and Conservation
BOC-404 Horticulture and Plant Breeding

PRACTICAL PAPERS:

- BOP-401 Practical Based on Topics Covered in BOC-401 & BOC-402
BOP-402 Practical Based on Topics Covered in BOC-403 & BOC-404

ELECTIVE PAPERS:

Choice-based: Student should select any one course from the following.

- BOE-401 Bioinstrumentation
BOE-402 Conservation and Restoration Ecology
BOE-403 Photobiology, Molecular Microbiology and Synthetic Biology




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