

DEPARTMENT OF MICROBIOLOGY

Program duration: 2 Years

Semester Pattern: 4 Semesters

M.Sc. Microbiology Syllabus (As per NEP 2020)

Sr. No.	Semester I	Semester II	Semester III	Semester IV
1	Microbial Diversity and Evolution	Advanced Techniques in Microbiology	Major : Paper I : Genetics & Molecular Biology (GMB)	Major : Paper I : Medical Microbiology & Parasitology (MMP)
2	Enzymology and Techniques	Membrane Structure and Signal Transduction	Paper II : Recombinant DNA Technology (RDT)	Paper II - Immunology (IMM)
3	Commercial Microbiology	Microbiological Testing of Industrial Product	Paper III - Bioprocess Technology (BT)	
4	Microbial Physiology and Metabolism	Microbial Methods for Environment Management	Elective : Paper IV - Food Microbiology & Food Safety (FMFS)	Elective : Paper III - Virology (VIR)
5	Research Methodology	Project Training or Field Work	Dissertation / Synopsis	Project / Dissertation
6	Practical -I	Practical-I	Practical-I Practical-II	Practical-I Practical-II