

Course Structure

M.Sc Part I Microbiology (Semester I)

THEORY

Paper I	Microbial Techniques	80+20 Marks
Paper II	Microbial Enzymology	80+20 Marks
Paper III	Microbial Physiology and Photosynthesis	80+20 Marks
Paper IV	Environmental Microbiology	80+20 Marks

PRACTICAL

Practical I	Soil Microbiology	100 Marks
Practical II	Analytical Biochemistry and Instrumentation	100 Marks

M. Sc Part I Microbiology (Semester II)

THEORY

Paper V	Biostatistics, Bioinformatics and Computer Applications	80+20 Marks
Paper VI	Enzyme Technology	80+20 Marks
Paper VII	Microbial Metabolism	80+20 Marks
Paper VIII	Environmental Microbiology and Extremophiles	80+20 Marks

PRACTICAL

Practical III	Environmental Microbiology and Biodiversity	100 Marks
Practical IV	Microbial Enzymology, Biostatistics and Comp. Appl.s	100 Marks

M. Sc Part II Microbiology (Semester III)

THEORY

Paper IX	Molecular Biology	80+20 Marks
Paper X	Virology	80+20 Marks
Paper XI	Fermentation Technology	80+20 Marks
Paper XII	Immunology	80+20 Marks

PRACTICAL

Practical V	Fermentation Technology	100 Marks
Practical VI	Immunology and Medical Microbiology	100 Marks

M. Sc Part II Microbiology (Semester IV)

THEORY

Paper XIII	Biotechnology	80+20 Marks
Paper XIV	Clinical Virology	80+20 Marks
Paper XV	Microbial Technology	80+20 Marks
Paper XVI	Medical Microbiology	80+20 Marks

PRACTICAL

Practical VII	Applied Microbiology and Biotechnology	100 Marks
Project:	Project Work	100 Marks

(During the tenure of the course, every student has to take-up project based on their syllabus for successful completion of course).