

ESTD: 2000



PADMASHREE INSTITUTE OF MANAGEMENT & SCIENCES

Padmashree Campus, No. 149, Kommaghatta, Kengeri
Bangalore- 560060, Karnataka, India

M.Sc. Microbiology Syllabus

Semester I

M.Sc Microbiology
Prokaryotic and Acellular
Microbiology
Eukaryotic Microbiology
Microbiological Techniques
Biostatistics

Practical

Microbial Diversity, Prokaryotic and Acellular
Microbiology
Eukaryotic Microbiology and Microbiological
Techniques

Semester II

Microbial Genetics
Molecular Biology
Microbial Physiology and Biochemistry
Food Microbiology
Bioinformatics

Practical

Microbial Genetics, Molecular Biology and
Bioinformatics
Microbial Physiology and Food Microbiology

Semester III

Medical Microbiology
Recombinant DNA Technology
Immunology
Open elective: Applied Microbiology

Practical

Medical Microbiology and Immunology
Recombinant DNA Technology
Industrial/ Institutional Visit

Semester IV

Agricultural Microbiology
Industrial Microbiology
Microbial Biotechnology

Practical

Agricultural Microbiology, Fermentation
Technology and Microbial Biotechnology
Project work/ Dissertation
Project viva-voce