M.Sc. Microbiology (Off campus)
Equivalence (theory & practicals)
(2019-2020)

M.Sc. I Microbiology 2019 pattern

Course Code	Course Title	Credits
	Semester I	
MB501	Microbial Systematics	4
MB502	Quantitative Biology	4
MB503	Biochemistry and Metabolism	4
MBCP1	Biochemical Techniques(Practical based on compulsory theory credits)	4
MBTE11	Fungal Systematics and Extremophiles	2
MBPE11	Practicals Based on Fungal Systematics and Extremophiles	2
	OR	
MBTE12	Experimental Design and Quantitative approaches for Biologist	2
MBPE12	Practicalsbased on Experimental Design and Quantitative approaches for Biologist	2
	OR	
MBTE13	Microbial communication, Membrane transport and signal transduction	2
MBPE13	Practicals Based on Microbial communication, Membrane transport and signal transduction	2
	Semester II	
MB 601	Instrumentation and Molecular Biophysics	4
MB 602	Molecular Biology	4
MB 603	Enzymology, Bioenergetics and Metabolism	4
MBCP2	Molecular biology, enzymology and instrumentation Techniques(Practical based on compulsory theory credits)	4
MBTE21	Bioinformatics and Bio-nanotechnology	2
MBPE21	Practicals based on Bioinformatics and Bionanotechnology	2
	OR	
MBTE22	Molecular Biology tools and applications	2
MBPE22	Practical based on Molecular Biology tools and applications	2
	OR	
MBTE23	Nitrogen Metabolism, respiration and Photosynthesis	2
MBPE23	Practicals based on Nitrogen Metabolism, respiration and Photosynthesis	2

Recommended
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Recommended
(Dr G R Pathade)
Chairman BOS (Microbiology)
09/09/2019

Equivalence of Previous Microbiology Syllabus

Semester I

Old Course (2013 Pattern)	New Course (2019 Pattern
MB 501: Microbial Diversity & Taxonomy	MB501 Microbial Systematics
MB 502: Quantitative Biology	MB502 Quantitative Biology
MB 503: Cell Organization and Biochemistry	MB503 Biochemistry and Metabolism
MB 511: Practical Course 1: Microbial Diversity & Systematics	MBCP1 Biochemical Techniques(Practical based on compulsory theory credits)
MB 512: Practical Course 2: Cell Biology & Biochemistry	MBTE11 Fungal Systematics and Extremophiles
	MBPE11 Practicals Based on Fungal Systematics and Extremophiles
	OR
	MBTE12 Experimental Design and Quantitative approaches for Biologist
	MBPE12 Practical's based on Experimental Design and Quantitative approaches for Biologist
	OR
	MBTE13 Microbial communication, Membrane transport and signal transduction
	MBPE13 Practicals Based on Microbial communication, Membrane transport and signal transduction

Dr. Girish Pathade
(Chairman, Microbiology BOS)