

CHOICE BASED CREDIT
SYSTEM

2018

MICROBIOLOGY

M.Sc Microbiology

Semester I (December – 2018)

COURSE CODE	PAPER	CREDITS	CONTACT HRS PER WEEK L-Tu-P
PSMBTC101	Cell Biology	4	4.5-0-0
PSMBTC102	Bacteriology and Virology	4	4.5-0-0
PSMBTC103	Biochemistry & Metabolism	4	4.5-0-0
PSMBTC104	Molecular Biology	4	4.5-0-0
PSMBPC105	Laboratory course in Bacteriology and Virology and Cell Biology	4	0-0-6
PSMBPC106	Laboratory course in Biochemistry & Metabolism and Molecular Biology	4	0-0-6
TOTAL		24	18-0-12

Semester II (May – 2019)

COURSE CODE	PAPER	CREDITS	CONTACT HRS PER WEEK L-Tu-P
PSMBTC201	Genetic Engineering	4	4.5-0-0
PSMBTC202	Enzymology	4	4.5-0-0
PSMBTC204	Molecular Virology	2	4.5-0-0
PSMBTC205	Immunology	4	3.0-0-0
PSMBTC208	Microbial Genetics	2	3.0-0-0
PSMBPC206	Laboratory course in Genetic Engineering and Enzymology	4	0-0-6
PSMBPC209	Laboratory course in Microbial Genetics and Immunology	4	0-0-6
TOTAL		24	19.5-0-12

Semester III (December – 2019)

COURSE CODE	PAPER	CREDITS	CONTACT HRS PER WEEK L- Tu- P
PSMBTC301	Mycology and Phycology	4	4.5-0-0
PSMBTC302	Food Microbiology	2	3-0-0
PSMBTC303	Bioprocess Engineering	4	4.5-0-0
PSMBTC304	Bioinformatics & Biostatistics	4	4.5-0-0
PSMBPC305	Laboratory course in Mycology and Phycology and Food Microbiology	3	0-0-4.5
PSMBPC306	Laboratory course in Bioprocess Engineering	3	0-0-4.5
Elective / Open Course offered by department			
PSMBTE307	Techniques in Biotechnology	4	4-0-0
TOTAL		24	20.5-0-9

Semester IV (May -2020)

COURSE CODE	PAPER	CREDITS	CONTACT HRS PER WEEK L-Tu-P
PSMBDC401	Research Project+Project presentation+Viva-Voce+Dissertation	10	0-0-13.5
PSMBDC402	Journal Club	2	3-0-0
PSMBTC404	Medical Microbiology	4	4.5-0-0
PSMBTC406	Environmental Microbiology	2	3-0-0
PSMBPC407	Laboratory course in Environmental Microbiology	2	0-0-3
Elective / Open Course offered by department			
PSMBTE405	Essentials in Microbiology and Biochemistry	4	4
TOTAL		24	14.5-0-16.5

The total credits required for PG in Biotechnology, Microbiology and Biochemistry is 96 credits.