

CHOICE BASED CREDIT
SYSTEM

2018

BIOTECHNOLOGY

M.Sc Biotechnology

Semester I (December - 2018)

COURSE CODE	PAPER	CREDITS	CONTACT HRS PER WEEK L-Tu-P
PSBTTC101	Cell Biology	4	4.5-0-0
PSBTTC102	General & Applied Microbiology	4	4.5-0-0
PSBTTC103	Biochemistry & Metabolism	4	4.5-0-0
PSBTTC104	Molecular Biology	4	4.5-0-0
PSBTTC105	Laboratory course in General & Applied Microbiology and Cell Biology	4	0-0-6
PSBTTC106	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
PSBTTC201	Genetic Engineering	4	4.5-0-0
PSBTTC202	Enzymology	4	4.5-0-0
PSBTTC203	Genetics	2	3.0-0-0
PSBTTC204	Molecular Virology	2	3.0-0-0
PSBTTC205	Immunology	4	4.5-0-0
PSBTTC206	Laboratory course in Genetic Engineering and Enzymology	4	0-0-6
PSBTTC207	Laboratory course in 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
PSBTTC301	Plant Biotechnology	4	4.5-0-0
PSBTTC302	Bioprocess Engineering	4	4.5-0-0
PSBTTC303	Bioinformatics & Biostatistics	4	4.5-0-0
PSBTTC304	IPR	2	3-0-0
PSBTTC305	Laboratory course in Plant Biotechnology	3	0-0-4.5
PSBTTC306	Laboratory course in Bioprocess Engineering	3	0-0-4.5
Elective / Open Course offered by department			
PSBTTE307	Techniques in Biotechnology	4	4-0-0
TOTAL		24	20.5-0-09

Semester IV (May - 2020)

COURSE CODE	PAPER	CREDITS	CONTACT HRS PER WEEK L-Tu-P
PSBTDC401	Research Project+Project presentation+Viva- Voce+Dissertation	10	0-0-13.5
PSBTDC402	Journal Club	2	3.0-0-0
PSBTTC403	Animal Biotechnology	4	4.5-0-0
PSBTTC404	Environmental Biotechnology	4	4.5-0-0
Elective / Open course offered by department			
PSBTTE405	Essentials in Microbiology and Biochemistry	4	4-0-0
TOTAL		24	16-0-13.5

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