

M. Sc. Biotechnology Semester I

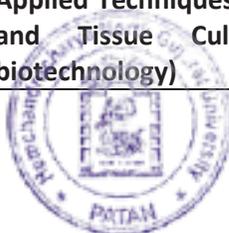
Theory	Paper Name	Credits
BT - CC – 101	Biochemistry	4 units/4 credit
BT- CC – 102	Microbial physiology	4 units/4credits
BT - CC – 103	Cell Biology and Physiology	4 units/4 credits
BT - CC – 104	Biostatistics and Bioinformatics Techniques	4 units/4 credits
Practical		
BT - PC – 105	Practical of BT-CC-101 and 102	6 credit
BT-PC- 106	Practical of BT-CC-103 and 104	6 credit
Subject Elective (any One)		
BT – SE – 107 or 108	107:Basic Chemistry in Biotechnology 108: Cancer Biology	2 units/2credits

M. Sc. Biotechnology Semester II

Theory	Paper Name	Credits
BT - CC – 201	Classical and Molecular Genetics	4 units/4 credit
BT- CC – 202	Immunology and Related Techniques	4 units/4credits
BT - CC – 203	Biophysics and Analytical Technique in Biotechnology	4 units/4 credits
BT - CC – 204	Environmental Biotechnology	4 units/4 credits
Practical		
BT - PC – 205	Practical of BT-CC-201 and 202	6 credit
BT-PC- 206	Practical of BT-CC-203 and 204	6 credit
Subject Elective (any One)		
BT – SE – 207 or 208	207: Nanotechnology 208: Bio-safety issues	2 units/2credits

M. Sc. Biotechnology Semester III

Theory	Paper Name	Credits
BT - CC – 301	r-DNA Technology & Genetic Engineering	4 units/4 credit
BT- CC – 302	Bioprocess and Bioengineering	4 units/4credits
BT - CC – 303	Applied Techniques in plant Cell and Tissue Culture (Plant biotechnology)	4 units/4 credits




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BT - CC – 304	Applied Techniques in Animal Cell and Tissue Culture (Animal biotechnology)	4 units/4 credits
Practical		
BT - PC – 305	Practical of BT-CC-301 and 302	3 credit
BT-PC- 306	Practical of BT-CC-303 and 304	3 credit
Subject Elective (any One)		
BT – SE – 307	307: Vaccinology	2 units/2credits
BT – SE -308	308: Research Methodology & Professional practices in Biotechnology	

M. Sc. Biotechnology Semester IV

Theory	Paper Name	Credits
BT - CC – 401	Food Biotechnology	4 units/4 credit
BT- CC – 402	Industrial Practice and Use of Biotechnology	4 units/4credits
BT - CC – 403	Medical Biotechnology	4 units/4 credits
BT - CC – 404	Socio-Economic Aspects & IPR	4 units/4 credits
Practical		
BT - PC – 405	Practical 401 and 402	6 credit
BT-PC- 406	Practical 403 and 404	6 credit
Subject Elective (any One)		
BT – SE – 407 BT – SE – 408	BT – SE – 407 Bioentrepreneurship BT – SE – 408 Proteomics and Genomics	2 units/2credits




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M. Sc. Biotechnology Semester IV

Theory	Paper Name	Credits
BT - CC – 401	Industrial Practice and Use of Biotechnology	4 units/4 credit
BT- CC – 402	Socio-Economic Aspects & IPR	4 units/4credits
BT - CC – 403	Medical Biotechnology	4 units/4 credits
Major Dissertation: BT-PC-409	Dissertation	12 credits




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