

## M.Sc. MEDICAL BIOTECHNOLOGY

### SEMESTER-WISE COURSE INFORMATION

#### SEMESTER I

Course Number	Course Title	Credit Value	# Lec.	# Tut.	# Lab	Weightage for EoTE/IA	EoTM
MedBT 101	Medical Biochemistry	4	3	2	-	0.6/0.4	Univ.
MedBT 102	Human Physiology	4	3	2	-	0.6/0.4	Univ.
MedBT 103	Medical Microbiology	4	3	2	-	0.6/0.4	Univ.
MedBT 104	Molecular Biology	4	3	2	-	0.6/0.4	Univ.
MedBT 105	Medical Biochemistry & Physiology Lab	3	-	-	4	0.6/0.4	Univ.
MedBT 106	Medical Microbiology Lab	3	-	-	4	0.6/0.4	Univ.
MedBT 107	Molecular Biology Lab	3	-	-	4	0.6/0.4	Univ.
MedBT 108	General Course 1 Communication skills and Personality Development	2	2	-	-	Continuous Assessment	Institute

**Total Credits offered in Sem I: 27**

**SEMESTER II**

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Value</b>	<b># Lec.</b>	<b>#Tut.</b>	<b>#Lab</b>	<b>Weightage for EoTE/IA</b>	<b>EoTM</b>
<b>MedBT 201</b>	Immunology	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 202</b>	Medical Genetics	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 203</b>	rDNA in Medicine	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 204</b>	Infectious Diseases	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 205</b>	Immunology Lab	3	-	-	4	0.6/0.4	Univ.
<b>MedBT 206</b>	Medical Genetics Lab	3	-	-	4	0.6/0.4	Univ.
<b>MedBT 207</b>	rDNA in Medicine Lab	3	-	-	4	0.6/0.4	Univ.
<b>MedBT 208</b>	Infectious Diseases Lab	3	-	-	4	0.6/0.4	Univ.

**Total Credits offered in Sem II: 28**

### SEMSTER III

<b>Course Number</b>	<b>Course Title</b>	<b>Credit Value</b>	<b># Lec.</b>	<b># Tut.</b>	<b># Lab</b>	<b>Weightage for EoTE/IA</b>	<b>EoTM</b>
<b>MedBT 301</b>	Animal Tissue Culture	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 302</b>	Non communicable diseases	2	1	2	-	0.6/0.4	Univ.
<b>MedBT 303</b>	Vaccines, antibiotics & therapeutics	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 304</b>	Genomics & Proteomics	4	3	2	-	0.6/0.4	Univ.
<b>MedBT 305</b>	Biostatistics	2	2	-	-	0.6/0.4	Univ.
<b>MedBT 306</b>	Animal Tissue Culture Lab	3	-	-	4	0.6/0.4	Univ.
<b>MedBT 307</b>	Vaccines, antibiotics & therapeutics Lab	3	-	-	4	0.6/0.4	Univ.
<b>MedBT 308</b>	Genomics & Proteomics Lab	3	-	-	4	0.6/0.4	Univ.

**Total Credits offered in Sem III: 25**

### SEMSTER IV

Course Number	Course Title	Credit Value	# Lec.	#Tut.	#Lab	Weightage for EoTE/IA	EoTM
MedBT 401	IPR and Bio-safety	2	2	-	-	Continuous assessment	Institute
MedBT 402	Medical Informatics	2	2	-	-	Continuous assessment	Institute
MedBT 403	Biomedical waste and environment	2	2	-	-	0.6/0.4	Univ.
MedBT 404	Nanotechnology in Medicine	2	2	-	-	0.6/0.4	Univ.
MedBT 405	General Course II Research Methodologies	2	2	-	-	-	Institute
MedBT 406	Dissertation	10	-	-	-	-	Univ.

**Total Credits offered in Sem IV: 20**

**Total Credits offered in all four semesters: 100**