

M.Sc. (Biotechnology)-2023

Year	FIRST SEMESTER						SECOND SEMESTER							
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C		
I	BT6101	Cell & Molecular Biology	3	1	0	4	BT6201	Advanced Biochemistry	3	1	0	4		
	BT6102	Fundamental & Applied Microbiology	3	1	0	4	BT6202	Plant Biotechnology	3	1	0	4		
	BT6103	Bio-analytical Techniques	3	1	0	4	BT6203	Genetic Engineering	3	1	0	4		
	BT6170	Seminar	0	0	0	1	MA6205	Research Methodology and Technical Writing	2	1	0	3		
	BT6130	Biotechnology Lab. I	0	0	6	2	BT6230	Biotechnology Lab. III	0	0	6	2		
	BT6131	Biotechnology Lab. II	0	0	6	2	BT6231	Biotechnology Lab. IV	0	0	6	2		
							*****	Open Elective/MOOC	3	0	0	3		
			9	3	12	17			14	4	12	22		
	Total Contact Hours (L + T + P)						Total Contact Hours (L + T + P) +OE						30	
II	THIRD SEMESTER						FOURTH SEMESTER							
	BT7101	Advanced Genetics	2	1	0	3	BT7270	Project Dissertation	-	-	-	16		
	BT7102	Bioprocess Engineering	3	1	0	4								
	BT7103	Structural Biology & Bioinformatics	2	1	0	3								
	MA7117	Statistics for Biologists	2	1	0	3								
	BT7130	Biotechnology Lab. V	0	0	6	2								
	BT7131	Biotechnology Lab. VI	0	0	6	2	*****	DSE-I	3	1	0	4		
	*****	DSE-II	3	1	0	4								
			15	6	12	25								
		Total Contact Hours (L + T + P)						Total Contact Hours (L + T + P)						16
	DISCIPLINE SPECIFIC ELECTIVES (DSE)						DSE - I						DSE - II	
	1. BT7140: Animal Biotechnology 2. BT7141: Enzyme Technology 3. BT7142: Immunotechnology						1. BT7143: Developmental Biology 2. BT7144: Physiology 3. BT7145: Environmental Biotechnology and Applications							