



JOY UNIVERSITY
semper paratus

School of Health and Life Sciences

Department of Biotechnology

M.Sc Biotechnology – I Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSBT 1101	Biochemistry	3	0	3	6	5
2.	MSBT 1102	Cell Biology	3	0	3	6	5
3.	MSBT 1103	Biotechniques	3	0	0	3	3
4.	MSBT 1104	Computer applications	3	0	0	3	3
5.		Communication skills in English	2	0	0	2	2
		TOTAL					18

M.Sc Biotechnology – II Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSBT 1201	Microbiology	3	0	3	6	5
2.	MSBT 1202	Immunology	3	0	0	3	3
3.	MSBT 1203	Genetics and Molecular Biology	3	0	3	6	5
4.	MSBT 1204	Enzyme technology	3	0	0	3	3
5.	MSBT 1205	Environmental Biotechnology	3	0	0	3	3
		TOTAL					19

M.Sc Biotechnology – III Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSBT 2101	Animal Biotechnology	3	0	3	6	5
2.	MSBT 2102	Plant Biotechnology/Plant Tissue Culture	3	0	3	6	5
3.	MSBT 2103	Bioinformatics	3	0	3	6	5
4.		Project-I & Presentation					10
		TOTAL					25

M.Sc Biotechnology – IV Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSBT 2201	Agricultural Biotechnology	3	0	0	3	3
2.	MSBT 2202	Bioethics and IPR	2	0	0	2	2
3.	MSBT2203	Bioprocess engineering	3	0	0	3	3
4.		Project-II & Presentation					10
		TOTAL					18

Total credits = 80