

Curriculum Structure (24-26)

MSc Biotechnology (2-years)

SEMESTER I						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Advanced cytology	4	0	1	5
2.		Immunology	4	0	0	4
3.		Biochemistry	4	0	0	4
4.		Microbiology	4	0	1	5
5.		Bioanalytical and Biophysical Techniques	4	0	0	4
		TOTAL	19	0	2	22
SEMESTER II						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Genetics	4	0	1	5
2.		Genetic engineering and Gene Therapy	4	0	1	5
3.		Plant Biotechnology	4	0	0	4
4.		Animal Biotechnology	4	0	0	4
5.		Professional Communication	1	0	1	2
6.		Research Methodology	3	0	0	3
		TOTAL	19	0	3	23
SEMESTER III						
S. No.	Course Code	Course Name	L	T	P	Credits
		Environmental Biotechnology	4	0	1	5
		Medical and Pharmaceutical Biotechnology	4	0	0	4
		Enzymology and Enzyme technology	4	0	1	5
		Computational Biology and Bioinformatics	2	0	1	3

		Elective	3	0	0	3
		TOTAL	17	0	3	20
SEMESTER IV						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Dissertation	0	0	12	12
2.		Research, Innovation and & IPR	2	0	0	2
3.		Industry training	0	0	2	2
.		TOTAL	2	0	14	16

List of Electives

S.No.	Course Code	Course name	L	T	P	C
1.		Bioprocess Technology	3	0	0	3
2.		Stem cell biology	3	0	0	3
3.		Vaccines	3	0	0	3
4.		Drug Discovery and Development	2	0	0	3
5.		Proteomics, Genomics and Nanotechnology	3	0	0	3
6.		Molecular Therapeutics	3	0	0	3
7.		Bioethics and Bio-safety	3	0	0	3