

CURRICULUM STRUCTURE

FIRST SEMESTER

S.No	Category	Course Title	Lecture		Practical		Total
			Hours	Credits	Hours	Credits	Credits
1.1	Program Core	Fundamentals of biology	60	4	40	3	7
1.2	Program Core	Molecular biology	60	4	40	3	7
1.3	Program Core	Biochemistry	60	4	40	3	7
1.4	Program Elective	Genetics	60	4	-	-	4

SECOND SEMESTER

S.No	Category	Course Title	Lecture		Practical		Total
			Hours	Credits	Hours	Credits	Credits
2.1	Program Core	Physiology-I	60	4	40	3	7
2.2	Program Core	Pharmacology	60	4	40	3	7
2.3	Program Core	Microbiology	60	4	40	3	7
2.4	Program Elective	Pathology	60	4	-	-	4

THIRD SEMESTER

S.No	Category	Course Title	Lecture		Practical		Total Credits
			Hours	Credits	Hours	Credits	
3.1	Program Core	Physiology-II	60	4	40	3	7
3.2	Program Core	Medical biochemistry	60	4	40	3	7
3.3	Program Core	Applied Immunology	60	4	40	3	7
3.4	Program Elective	Medical lab diagnostics	60	4			4

FOURTH SEMESTER

S.No	Category	Course Title	Lecture		Practical		Total Credits
			Hours	Credits	Hours	Credits	
4.1	Program Core	Tools in Bioinformatics	60	4	40	3	7
4.2	Program Core	Gene technology & human welfare	60	4	-	-	4
4.3	Program Core	Drug discovery	60	4	40	3	7
4.4	Program Elective	Biosafety and regulatory affairs	60	4	-	-	4

FIFTH SEMESTER

S.No	Category	Course Title	Lecture		Practical		Total Credits
			Hours	Credits	Hours	Credits	
5.1	Program Core	Cancer biology	60	4	40	3	7
5.2	Program Core	Genomics, Proteomics, drug design	60	4	40	3	7
5.3	Program Core	Applied Biotechnology	60	4	40	3	7
5.4	Program Elective	Biostatistics	60	4	-	-	4

SIXTH SEMESTER

S.No	Category	Course Title	Lecture		Practical		Total Credits
			Hours	Credits	Hours	Credits	
6.1	Program Core	Cell Culture	60	4	40	3	9
6.2	Program Core	Technology for forensic science	60	4	40	3	9
6.3	Program Elective	Toxicology	60	4	-	-	4

7TH & 8TH SEMESTER

S.No	Category	Course Title	Theory	Practicals	Total
7.1	Project	Project	-	-	2
8.1	Internship	Internship	-	-	38