

First Semester										
Sl. No.	Sem	Course Code	Course Title	Course type	L	T	P	SL	C	Type
1	Sem I		Cytology, Genetics and Infectious Diseases	Major	4	0	1	1	6	Comprehensive
2	Sem I		Cell Biology and Cytogenetics Lab	Major						
3	Sem I		Fundamentals of Chemistry	Major	4	0	1	0	5	Integrated
4	Sem I		Quantitative Analysis	Major						
5	Sem I		Human Physiology I	Major	4	0	1	0	5	Integrated
6	Sem I		Practicals in Human Physiology I	Major						
7	Sem I		Mastering in Word & Excel	Vocational Course	2	0	1	0	3	Integrated
8	Sem I		Indian Legal Systems for Sciences	Interdisciplinary	1	0	0	0	1	Theory
9	Sem I		Food, Nutrition and Hygiene	Co-Curricular	2	0	0	0	0	Workshop
Total Credits									20	
Second Semester										
Sl. No.	Sem	Course code	Course Title		L	T	P	SL	C	Type
1	Sem II		Biochemistry and Physiology	Major	3	0	1	0	4	Integrated
2	Sem II		Physiological, Biochemical & Hematology Lab	Major						
3	Sem II		Bioorganic and Medicinal Chemistry	Major	3	0	1	1	5	Comprehensive
4	Sem II		Biochemical Analysis (Practical)	Major						
5	Sem II		Human Physiology II	Major	3	0	1	0	4	Integrated
6	Sem II		Practicals in Human Physiology II							
7	Sem II		Professional Communication-I	Language	1	0	2	0	3	Integrated
8	Sem II		Vocational Course (Chosen from University Bucket)	Vocational Course	2	0	1	0	3	Integrated
9	Sem II		First Aid and Health	Co-Curricular	1	0	0	0	1	Theory
Total Credits									20	
Third Semester										
Sl. No.	Sem	Course Code	Course Title		L	T	P	SL	C	Type
1	Sem III		Molecular Biology, Bioinstrumentation & Biotechniques	Major	3	0	1	1	5	Comprehensive
2	Sem III		Bioinstrumentation & Molecular Biology Lab	Major						
3	Sem III		Toxicology and Pharmacology	Major	3	0	1	0	4	

4	Sem III		Practicals in Toxicology and Pharmacology	Major							Integrated
5	Sem III		Hormones: Biochemistry and Function	Major	4	0	0	0	4		Theory
6	Sem III		Sociology /Economics /Political Science/ Cyber Crime	Interdisciplinary	2	0	0	0	2		Theory
7	Sem III		Vocational Course (Chosen from University Bucket)	Vocational Course	2	0	1	0	3		Integrated
8	Sem III		Human values and Environment studies	Co-Curricular	2	0	0	0	2		Theory
Total Credits											20
Fourth Semester											
Sl. No.	Sem	Course Code	Course Title		L	T	P	SL	C		Type
1	Sem IV		Gene Technology and Human Welfare	Major	3	0	1	0	4		Integrated
2	Sem IV		Gene Technology and Genetic Counselling Lab	Major							
3	Sem IV		Metabolism of Biomolecules	Major	4	0	0	0	4		Theory
4	Sem IV		Programming Languages	Major	4	0	1	1	6		Comprehensive
5	Sem IV		Programming Languages Lab	Major							
6	Sem IV		Python Language	Minor							
7	Sem IV		AI and Applications	Interdisciplinary	1	0	1	0	2		Integrated
8	Sem IV		Vocational Course (Chosen from School Vocational Bucket)	Vocational Course-Minor-I	3	0	1	0	4		Integrated
Total Credits											20
Fifth Semester											
Sl. No.	Sem	Course Code	Course Title		L	T	P	SL	C		Type
1	Sem V		Concepts of Immunology	Major	3	0	1	1	5		Comprehensive
2	Sem V		Lab on Immunology	Major							
3	Sem V		Evolutionary Biology	Major	3	0	0	0	3		Theory
4	Sem V		Bioinformatics	Major	3	0	1	0	4		Integrated
5	Sem V		Lab in Bioinformatics	Major							
6	Sem V		Medical Biochemistry	Major	4	0	0		4		Theory
7	Sem V		Vocational Course (from School Vocational Bucket)	Vocational Course-Minor-II	3	0	1	0	4		Integrated
Total Credits											20
Sixth Semester											

Sl No	Code	Electives	L	T	P	C				
1		Recent Trends in Biological Research	3	0	0	3				
2		Bioanalytical and Biophysical Techniques	3	0	0	3				
3		Advanced Cell and Molecular biology	3	0	0	3				