

1	Will be given by ERP	Engineering Chemistry	3	1	1		5	60	
2	Will be given by ERP	Remedial Biology-II/Elementary Maths-II	3	1	1		5	60	
3	Will be given by ERP	Fundamental of Electronics Engineering	2	1	1		4	45	
4	Will be given by ERP	Fundamental of Mechanical Engineering	2	0	1		3	45	
5	Will be given by ERP	Soft Skill Development	3	0	0		3	45	
6	Will be given by ERP	Sports and Yoga	1	0	1		2	30	
Total credits							22		

Semester III

Sl. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	Will be given by ERP	Cell and Molecular Biology	3	0	1		4	60	

2	Will be given by ERP	Biochemistry	3	0	1		4	60	
3	Will be given by ERP	Analytical Techniques in Biotechnology	3	1	1		5	75	
4	Will be given by ERP	Microbiology	3	1	1		5	75	
5	Will be given by ERP	Universal Human Values	3	0	0		3	45	
6	Will be given by ERP	Internal Mini Project	0	0	1		1		
7	Will be given by ERP	Programming for Problem Solving – C	3	0	0		0		
Total credits							22		

Semester IV

Sl. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	Will be given by ERP	Immunology	3	1	0		4	60	
2	Will be given by ERP	Genetics	3	1	1		5	75	

3	Will be given by ERP	Bioprocess Engineering-I	3	0	1		4	60	
4	Will be given by ERP	Enzyme Engineering	3	1	1		5	75	
5	Will be given by ERP	Technical Communication	3	0	0		3	45	
6	Will be given by ERP	Mini Project	0	0	0	1	1		
7	Will be given by ERP	OOPS	3	0	0		0		
Total credits							22		

Semester V

Sl. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	Will be given by ERP	Genetic Engineering	3	1	1		5	75	
2	Will be given by ERP	Fermentation Biotechnology	3	1	1		5	75	
3	Will be given by ERP	Bioinformatics	3	1	1		5	75	

4	Will be given by ERP	Biomaterial and Tissue Engineering (E) / Biomedical Instrumentation (E)	3	0	0		3	45	
5	Will be given by ERP	Biosensors and Nanobiotechnology (E) / Pharmacogenomics (E)	3	0	0		3	45	
6	Will be given by ERP	Constitution of India: Law and Engineering	2	0	0		0	30	
7	Will be given by ERP	Mini Project	0	0	1		1		
Total credits							22		

Semester VI

Sl. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	Will be given by ERP	Bioprocess Engineering-II	3	1	1		5	75	
2	Will be given by ERP	Molecular Diagnostics and Therapeutics	3	1	1		5	75	
3	Will be given by ERP	Rational Drug Discovery	3	1	1		5	75	

4	Will be given by ERP	Animal and Plant Biotechnology (E) /Nutraceuticals (E)	3	0	0		3	45	
5	Will be given by ERP	Open Elective-I	3	0	0		3	45	
6	Will be given by ERP	Indian Knowledge System	2	0	0		0		
Total credits							21		

Semester VII

Sl. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	Will be given by ERP	Genomics and Proteomics (E)/ Food Biotechnology (E)	3	0	0		3	45	
2	Will be given by ERP	Environmental Biotechnology (E)/ Agricultural Biotechnology (E)	3	0	0		3	45	
3	Will be given by ERP	Biosafety, Bioethics and IPR	3	0	0		3	45	
4	Will be given by ERP	Research Methodology and Scientific Writing	3	0	1		4	60	

5	Will be given by ERP	Mini Project and Presentation	0	0	1		1		
6	Will be given by ERP	MOOCs (Essential for Hons. Degree)	9	0	18		0		
7	Will be given by ERP	Project-I	0	0	8		4		
Total credits							18		

Semester VIII

Sl. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	Will be given by ERP	Pharmaceutical Biotechnology (E) / Sustainable Development (E)	3	0	0		3	45	
2	Will be given by ERP	Clinical Trial Designing (E)/ Overview of Clinical Research (E)	3	0	0		3	45	
3	Will be given by ERP	Project-II	0	0	18		12		
	Will be given by ERP	MOOCs (Essential for Hons. Degree)	9	0	18		0		

Total credits	18		
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