Semester V

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes							SDGs
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepre neurship	Skill Develop ment	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	BE-301	Biophysical Techniques	DC	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					4
2	BE-302	Bioprocess Engineering	DC	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					4,9,12,17
3	BE-303	Genetic Engineering	DC	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					2,3,4,14,15
4	BE-304	Mass Transfer Operations-I	DC	3	1	0	40	20	60	40	100	3:1:0	4			√					4,6,7,8,9,12, 17
5	BE-305	Cell Biology	DC	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					3,4,15
6	BE-308	Plant Molecular Biology	DE	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					2,3,4,15
	BE-309	Animal Biotechnology	DE	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					3,4,8,9,11,12 ,15,16
	BE-310	Principles of Biochemical Engineering	DE	2	1	0	40	20	60	40	100	2:1:0	3	√		√					4,9,12,15
PRACTICAL																					
7	BE-306	Bioprocess Engineering Lab	DC	0	0	6	40	20	60	40	100	0:0:3	3	√	√	√					4,9,11,12
8	BE-307	Genetic Engineering Lab	DC	0	0	4	40	20	60	40	100	0:0:2	2	√	√	√					4,9,11,12
9	*CS-335	Basics of Database Management System	ESA	2	1	0	40*	20*	60*	40*	100*	2:1:0	0								NA
			Total	**17**	**7**	**10**	**320**	**160**	**480**	**320**	**800**	**26**	**26**								

Semester VI

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes							SDGs
				L	T	P	CT	TA	Total	ESE				Employ ability	Entrepre neurship	Skill Develop ment	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	BE-311	Advanced Bioinformatics	DC	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					3,4,8
2	BE-312	Plant Biotechnology	DC	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					2,3,9,12,13,14
3	BE-313	Fermentation Biotechnology	DC	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					4,6,9,12
4	BE-314	Mass Transfer Operations-II	DC	3	1	0	40	20	60	40	100	3:1:0	4			√					4,6,7,8,9,12,17
5	BE-315	Genetics	DC	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					3,4,5,10
6	BE-318	Plant Genomics	DE	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					2,3,4,15,16
	BE-319	Medical Biotechnology	DE	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					3,4
	BE-320	Downstream Processing	DE	2	1	0	40	20	60	40	100	2:1:0	3	√	√	√					9
8		Open Elective-I	OE	3	1	0	40	20	60	40	100	3:1:0	4								
PRACTICAL																					
9	BE-316	Bioinformatics Lab	DC	0	0	4	40	20	60	40	100	0:0:2	2	√	√	√					3,4
10	BE-317	Plant Tissue Culture & Genetics Lab	DC	0	0	6	40	20	60	40	100	0:0:3	3	√	√	√					2,3,9,12,13,14
			Total	**18**	**7**	**10**	**360**	**180**	**540**	**360**	**900**	**30**	**30**								