

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-16
B.E. Biotechnology

V Semester

Sl No.	Subject Code	Title	Teaching Hours/Week			Examination				Credits
			Lecture	Tutorial	Practical /Drawing	Duration	I.A. Marks	Theory /Practical Marks	Total Marks	
1	15BT51	Bio-Kinetics and Bio-reaction Engineering	4	0	0	3	20	80	100	4
2	15BT52	Genetic Engineering and Applications	4	0	0	3	20	80	100	4
3	15BT53	Immunotechnology	4	0	0	3	20	80	100	4
4	15BT54	Bioinformatics	4	0	0	3	20	80	100	4
5	15BT55X	Professional Elective - 1	3	0	0	3	20	80	100	3
6	15BT56X	Open Elective - 1	3	0	0	3	20	80	100	3
7	15BTL57	Genetic Engg. And Immunotechnology Lab	0	0	3	3	20	80	100	2
8	15BTL58	Bioinformatics Lab	0	0	3	3	20	80	100	2
TOTAL			22	0	6	-	160	640	800	26

Professional Elective - 1		Open Elective - 1	
15BT551	Microbial BT	15BT561	Biology for Engineers
15BT552	Transport Phenomena	15BT562	Biomaterials
15BT553	Animal BT	15BT563	BT for Sustainable Environment
15BT554	Bio-Instrumentation& Biosensors		

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VI Semester

Sl No.	Subject Code	Title	Teaching Hours/Week			Examination				Credits
			Lecture	Tutorial	Practical /Drawing	Duration	I.A. Marks	Theory /Practical Marks	Total Marks	
1	15BT61	Bio-business and Entrepreneurship	4	0	0	3	20	80	100	4
2	15BT62	Bioprocess Control and Automation	4	0	0	3	20	80	100	4
3	15BT63	Enzyme Technology and Biotransformation	4	0	0	3	20	80	100	4
4	15BT64	Bioprocess Equipment Design & CAED	4	0	0	4	20	80	100	4
5	15BT65X	Professional Elective - 2	3	0	0	3	20	80	100	3
6	15BT66X	Open Elective - 2	3	0	0	3	20	80	100	3
7	15BTL67	Bioprocess Control and Automation Lab	0	0	3	3	20	80	100	2
8	15BTL68	Biokinetics and Enzyme Technology Lab	0	0	3	3	20	80	100	2
TOTAL			22	0	6	-	160	640	800	26

Professional Elective - 2		Open Elective - 2	
15BT651	Bio-molecular Engineering	15BT661	Biological Data Management
15BT652	Advanced Microbiology	15BT662	Good Manufacturing Process
15BT653	Cell Culture Techniques	15BT663	Nano BT
15BT654	Economics and Plant Design		