



C. U. SHAH UNIVERSITY, Wadhwan City

Name of Program :Bachelor of Science

Name of Branch : Biotechnology

Semester : I

W.E.F. – : July-2016

Sr. No	Branch Code	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							
				Th	Tu	Pr	Total		Theory				Practical		Total Marks	
									Sessional Exam		University Exam		Internal			University
									Marks	Hours	Marks	Hours	Pr	TW		Pr
1	07	4SC01IMD1	Introduction to Microbiology and Microbial Diversity	4	0	4	8	6	30	1	70	3	30	---	70	200
2		4SC01CEB1	Cell Biology	4	0	4	8	6	30	1	70	3	30	---	70	200
3			Generic Elective-I	4	0	0	4	4	30	1	70	3	---	---	---	100
4		4SC01FUE1	Functional English - I	2	0	0	2	2	30	1	70	3	---	---	---	100
5		4SC01EVS1	Environmental Science	3	0	0	3	3	30	1	70	3	---	---	---	100
6		4SC01CSM1	Chemical Structure & Macromolecules	2	0	2	4	3	20	1	50	3	---	---	30	100
Total				19	0	10	29	24	170		400		60		170	800

Th- Theory, Tu-Tutorial/Seminar/Field Work, Pr-Practical, TW-Term Work

Note: - Theory----- 1 hr = 1 Credit,

Tutorial/Practical-----2 hr = 1 Credit.



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List of Electives

Discipline Specific Elective (Any Four) DSE-1: Bioinformatics DSE-2: Microbial Biotechnology DSE-3: Advances in Microbiology DSE-4: Tissue culture and plant biotechnology DSE-5: Biomathematics and Biostatistics DSE-6: Inheritance Biology DSE-7: Microbes in Sustainable Agriculture and Development DSE-8: Biosafety and Intellectual Property Rights DSE-9: Instrumentation and Biotechniques	Generic Electives (Any Four) GE-1: Entrepreneurship Development GE-2: Microbial Metabolism GE-3: Biotechnology and Human Welfare GE-4: Microbes in Environment GE-5: Medical Microbiology and Immunology GE-6: Genetic Engineering and Biotechnology GE-7: Developmental Biology	Skill Enhancement Elective Courses (Any Two) SE-1: Molecular Diagnostics SE-2: Enzymology SE-3: Industrial Fermentation SE-4: Basics of Forensics Science SE-5: Microbial Diagnosis in Health Clinics SE-6: Biofertilizers and Biopesticides SE-7: Management of Human Microbial Diseases
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