



PROGRAMME STRUCTURE

M.Sc. Biotechnology Semester: III

Programme Outcome (PO) - For M.Sc. Biotechnology Programme	On successful completion of the Masters in Biotechnology course, the student will be able to: <ol style="list-style-type: none">1. Demonstrate an ability for in depth analytical and critical thinking to identify and solve problems related to Biotechnology in industry, medicine and Agriculture2. Comprehend and integrate theoretical and practical skills3. Demonstrate mastery in handling sophisticated laboratory equipment and their appropriate applications.4. Become a professional suitable to be employed in industry as well as academic institutions5. Understand professional and ethical responsibility.
Programme Specific Outcome (PSO) - For MSc Biotechnology Semester - III	<ol style="list-style-type: none">1. Students will be able to demonstrate and apply their knowledge of cell structure and functions both at organelle and molecular level and solve the problems related to the field of biotechnology2. Students will be exposed to basic physiological and metabolic processes and their relevance in Biotechnology
To Pass	<ol style="list-style-type: none">(1) At least 40% marks in each paper at the University Examination and 40% aggregate marks in Internal and External Assessment.(2) At least 33% Marks in each paper in Internal Assessment.





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2022-2023

Course Type	Course Code	Name Of Course	Theory/ Practical	Credit	Exam Duration in hrs	Component of Marks		
						Internal	External	Total
						Total	Total	Total
Core Course	PS03CBIT51	Fermentation technology	T	4	3	30	70	100
	PS03CBIT52	Genetic Engineering	T	4	3	30	70	100
	PS03CBIT53	Plant Biotechnology	T	4	3	30	70	100
	PS03CBIT54	Practicals	P	4	3	30	70	100
	PS03CBIT55	Practicals	P	4	3	30	70	100
	PS03CBIT56	Viva-Voce		1		=	50	50
Elective Course (Any One)	PS03EBIT51	Biomanufacturing principles and practices	T	4	3	30	70	100
	PS03EBIT52	Toxicology	T	4	3	30	70	100
	PS03EBIT53	Bioinformatics	T	4	3	30	70	100

