

VIVEKANAND COLLEGE KOLHAPUR
(AN EMPOWERED AUTONOMOUS INSTITUTE)

STATEMENT OF SYLLABUS COVERED

Year- 2025-26 Term-I & II

Name of Teacher: - Mr. Ashutosh Laxman Upadhye

Department :- P. G. Biotechnology

Class	Subject	Syllabus assigned	Syllabus Covered	Syllabus not to covered	Remark
M.Sc.I Sem-I	Research Methodology	Unit-I & II			
		Concept of Ecology	All covered	---	
		Unit- II & III			
		Biogeochemical cycle Biodiversity and its conservation	All covered	---	
		Unit- IV			
		Evolution	All covered	---	
M.Sc. I Sem-II	Molecular Biology	Unit-I and Unit-II Evidences of genetic			

		material, Replication			
			All covered	---	
		Unit-III and Unit-IV Translation in prokaryote and Eukaryote Genetic Code Regulation of gene expression in prokaryote and eukaryote			
M.Sc. II Sem-III	Advances In Genetic Engineering	Unit- I & II Enzymes used in genetic engineering and Vectors used in genetic engineering	All covered	---	
		Unit-II & IV Transgenic techniques in biotechnology Concept of genomics library	All covered	---	
M.Sc. II Sem-IV	Bioinformatics	Unit-I & II Different databases used in	All covered	---	

		bioinformatics , Sequence alignment			
		Unit-III & IV			
		Phylogenetic analysis and Drug designing			
		All covered			

Signature of Teacher



Signature of Head of Department
M. SC. CO-ORDINATOR
 DEPARTMENT OF BIOTECHNOLOGY
 VIVEKANAND COLLEGE, KOLHAPUR
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