

# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2023 - 2024

Term : 1<sup>st</sup> / 1<sup>st</sup>

Name of the Teacher : Mr. S. G. Kulkarni.

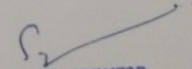
Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc I Sem I	Biological chemistry	Unit I, • chemical basis of life, formation of amino acids, • chemical basis of life, biological importance of water.	All covered	-	
		Unit II carbohydrates, biological importance of carbohydrates. metabolism of carbohydrates.	All covered	-	

*Si*

(Mr. S. G. Kulkarni)



  
 M. SC. CO-ORDINATOR  
 DEPARTMENT OF BIOTECHNOLOGY  
 VIVEKANAND COLLEGE, KOLHAPUR  
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# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2023 - 2024

Term : I<sup>st</sup> / I<sup>nd</sup>

Name of the Teacher : Mrs. S. B. Mulla.

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc I Sem I	Biological chemistry	Unit III • Amino acids , classification • Proteins , Biological significance , Structural level organization , Ramchandran plot.	All covered	-	

*S. B. Mulla*  
(Mrs. S. B. Mulla)



*S. B. Mulla*  
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STATEMENT OF SYLLABUS COVERED

Year : 2023 - 2024

Term : 1<sup>st</sup> / 1<sup>st</sup>

Name of the Teacher : Miss. V.B. Kankekar

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc. -I Sem -I	Dsc 21M8T11 Biological chemistry	Unit IV Lipids - - Biological importance - chemical properties  - classification of lipids - Types of fatty acids - Types of waxes  - Metabolism of Lipids - $\beta$ -oxidation of fatty acids - Biosynthesis of fatty acids.	All covered   All covered   All covered	-   -   -	

*Rmkkr*  
(Miss. V.B. Kankekar)



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**STATEMENT OF SYLLABUS COVERED**

Year : 2023 - 2024

Term : I<sup>st</sup> / II<sup>nd</sup>

Name of the Teacher : Miss. J. J. Gavandi.

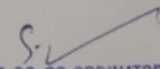
Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc I sem I	Microbiology OSC211MBT12	Unit I :- Beginning of Microbiology Spontaneous Generation Microbial evolution and Taxonomy	All covered	—	
		Bergey's manual Identification, Branches, Applications	All covered.	—	

*Auth:*

Ms J. J. Gavandi



  
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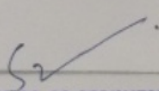
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
Name of the Teacher : Miss. V.N. Strekar

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc I	Microbiology	Unit II - - Characteristics & Salient features of major groups of bacteria - Characteristics & Structure of bacterial cell, Archaeobacteria, Actinomycetes Cyanobacteria - general characteristics & classification. Photosynthetic bacteria, & bioluminescent bacteria Mycoplasma, Chlamydia	All covered	-	

  
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(Miss. V. N. Strekar)

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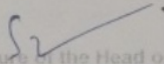
Term : 1<sup>st</sup> / 11<sup>nd</sup>

Name of the Teacher : Vinaya Namdev More

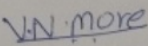
Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
MSC-I Sem-I	DSC 27MB -T12 Micro - biology	Unit- III Microbial Growth Reproductive Strategies , Bacterial cell, cycle, Influence on growth.  Microbial growth in natural environment factors on growth.  Microbial growth in Natural envi- -ronment,	AU covered	-	
			AU covered	-	

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
		Laboratory culture of cellular microbes, Growth curve, Measurement of microbial population, continuous culture of MS.	All covered	—	

  
(Signature of the Head of Dept.)  
M. SC. CO-ORDINATOR  
DEPARTMENT OF BIOTECHNOLOGY  
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(Signature of the Teacher)

**VIVEKANAND COLLEGE, KOLHAPUR.**  
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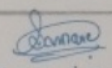
Year : 2023 - 2024

Term : 1<sup>st</sup> / 2<sup>nd</sup>

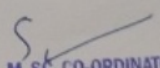
Name of the Teacher : Mrs. Srushti S. Patil.

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc I	Microbiology DSC21MBT12	Unit IV • Microbial ecology and symbiosis • Methods in microbial ecology • Micro-organisms in marine and freshwater ecosystem. • Micro-organism in terrestrial ecosystem • Microbial interaction	All covered	—	

  
 (Mrs. Srushti S. Patil.)



  
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
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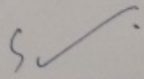
Name of the Teacher : Ms A.L. Upadhye

Department : Biotechnology.

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc-I Biotech Sem I	EBT and Ecology	Unit I Pollution & its types. Environmental Toxicology.	All Covered	—	
		Unit II and III Solid waste Treatment Agricultural Bioremediation Ecosystem.	All Covered	—	
		Unit III and IV Productivity Energy flow in Ecosystem. Population Ecology	All Covered.	—	
		Practical=12	All Covered	—	

  
(Ms A.L. Upadhye)



  
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
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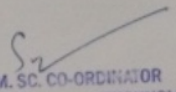
Name of the Teacher : Mrs A.L. Upadhye.

Department : Biotechnology.

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
M.Sc-I Biotech Sem I	Research Methodology	Unit I & II Fundamentals of Research Methodology Interpretation & Results	All Covered	—	
		Unit II & III Report writing. Tool in Research. Research methods	All Covered	—	
		Unit III & IV Electrophoretic Techniques Radioisotopes Techniques	All Covered	—	

  
(Mrs A.L. Upadhye)



  
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