

# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2022 - 2023

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

Name of the Teacher : Ms. Nadaf Salama Hanan

Department : Biotechnology (Optional)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc I	Sem II cellbiology Genetics	Unit I cellbiology Unit II Genetics	All topic covered with cellbiology and genetics.	—	
		Related practicals are allotted to cellbio.	Practicals are completed.	—	
BSc III	Sem VI Advances in Biotechnology	1) Biochemical technique ① Basic technique in biochemical tech ② Elect Electrophoresis ③ Chromatography ④ Spectroscopy	All allotted syllabus is completed.	—	

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc III Sem VI	Cell met- virology	(1) Carbohydrate units metabolism (2) Lipid metabolism (3) Protein metabolism (4) Virology. -Unit II	All Syllabus is covered	—	
		Related practicals are <del>ca</del> allotted.	All practicals are covered.	—	
	Genetech.	Unit I Technique in Gene technology allotted.	Techniques in Gene tech. completed.	—	
		All practicals & Project allotted	All practicals & Project are completed	—	

*[Signature]*

(Signature of the Head of Dept.)



HEAD  
DEPARTMENT OF BIOTECHNOLOGY (OPTIONAL)  
VIVEKANAND COLLEGE, K. J. SOMAIYA  
(AUTONOMOUS)

*[Signature]*

(Signature of the Teacher)

# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2022 - 2023

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

Name of the Teacher : Ms. A. A. Jadhav

Department : Biotech (opt)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc I Sem II	Theory Microbiology	Unit I - Basics of Microbiology II - Cytology of Bacteria			
	Practical	All - microbiology	covered	-	
BSc II Sem IV	Immunology	Unit I - Immune System II - Tech. in Immunology	} covered		
	Practical	All - immuno			
BSc III	Cell Metabolism & more	Virology	covered		

HEAD  
DEPARTMENT OF BIOTECHNOLOGY (OPTIONAL)  
VIVEKANAND COLLEGE, KOLHAPUR  
(AUTONOMOUS)



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(Signature of Teacher)

# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2022 - 2023

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

Name of the Teacher : Miss Muznal Patil

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc II	Biotechnology	Paper -			
	Section II	1) Historical background	History		
	Molecular	2) DNA replication	Replication		All covered
	Biology	3) Transcription	Transcription	-	
		4) Translation	Translation		
		5) DNA damage & Repair	Repair mechanism		
BSc III	Biotechnology	PTC scope	Scope		
		Application	Application		All covered
	Plant	Culture Media	Media	-	
	Biotech	Aseptic Technique	Techniques		
		Callus Culture	Culture		
		Embryogenesis & organogenesis	Embryogenesis Organogenesis		


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Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
		All practicals assigned	Completed	-	
BSc T	Basics of Biotechnology	Protein Amino acids AI	Alloted & Covered	-	

  
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Head  
Department of Biotechnology (Optional)  
Vivekanand College, Kolhapur



  
(Signature of the Teacher)

# VIVEKANAND COLLEGE, KOLHAPUR. (Autonomous)

## STATEMENT OF SYLLABUS COVERED

Year : 20 22-203

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

Name of the Teacher : Ms. Nadaf Salama Horun Department : Biotechnology (Optional)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Bsc I	Sem I	Basics of Biotech I			
	Paper I	1) Scope of Biotech 2) vitamin 3) Carbohydrate 4) lipid	All topics are covered carbohydrate protein, lipid		
	Paper II	Basics of Biotech II 1) cell disruption 2. Basic biochemical technique 3) microscopy 4) sterilization	All topics are covered		
	Practical	Related to Biochem are assigned	All practicals related to Biochem. are completed		

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Bsc II	Sem III Enzyme technology	1] Basics of enzyme 2] km and 3] Immobilization 4] Biosensors  Practical- All assigned practicals are complete of enzymology.	All topics of enzyme technology are covered.  All assigned practicals are completed.	—	
Bsc III	Sem IV Large scale manuf  EBT.	Section I <del>Pre</del> Downstream processing  Section II Patent, IPR, Unit I EBT.	All topics allowed are covered along with (Practicals) EBT compleat		

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HEAD

DEPARTMENT OF BIOTECHNOLOGY (OPTIONAL)

SRINIVASA RAU UNIVERSITY, VELLORE

605 006



(Signature of the Teacher)

# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2022-2023

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

Name of the Teacher : Miss. Meenal Patil

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc III	Biotechnology	History	History		
		Requizelements	Requizelements		
	Animal	sterilization	sterilization		All covered
	Tissue	Media	Media		
	Culture	Concepts	Concepts		
		Mammalian cell	Techniques		
		Culture Techniques	Organ &		
		Organ Culture	Histotypic culture		
		Histotypic Culture			
		Practicals assigned to ATC	All covered		
	Advances in Biotechnology	DNA fingerprinting	Fingerprinting		All covered
		Gene Therapy	Therapy		
		Antisense Therapy			



Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
	Bioinformatics	HTTP, WAN, HTML, LAN, MAN	HTTP, HTML, LAN, MAN		
		NCBI, FBI, Entrez, DBGet	NCBI, FBI, HGP		
		Human Genome Project	Nucleic acid database		
		Nucleic acid Database	Protein Database		
		Protein Database			
		Homology modelling			

} All Covered

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# VIVEKANAND COLLEGE, KOLHAPUR.

## STATEMENT OF SYLLABUS COVERED

Year : 2022 - 20 23

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

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AUTONOMOUS]

Name of the Teacher : Ms. A. A. Jadhav.

Department : Biotechnology

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.sc III	Sem V	Large scale manufacturing - Unit I. Fermentation process - Unit II. Downstream and streng.	All allotted syllabus completed	-	
		section II Specific fermentation. Unit I - Penicillin wine. Unit II - QA/QC pate	All allotted syllabus completed.	-	
		Related Practical.	Practical completed.		
		E.B.T. All I (credit II) Biofertilizers.	All allotted syllabus completed.	-	

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSC I	sem I	Basis of Biotech II.			
	I	1) <del>Micro</del> sterilization alloted.	All syllabus completed.		
		All credit is complete. All related			

*[Signature]*  
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Head  
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*[Signature]*  
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