

VIVEKANAND COLLEGE, KOLHAPUR.

STATEMENT OF SYLLABUS COVERED

Year : 2018 - 2019

Term : Ist / IInd

Name of the Teacher : Ms. S. H. Nadaf

Department : Biotech (Optional)

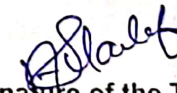
Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc I	Sem I	Basics of Biotech I	Covered	-	
	Paper I	1) Scope of Biotech			
		2) Vitamins			
		3) Carbohydrates			
		4) Lipids			
	Paper II	Basics of Biotech II	Covered	-	
		1) Cell disruption			
		2) Basic Biochemical Techniques			
		3) Microscopy			
		4) Sterilization			
	Practicals	All Biochem	Completed	-	

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc II	Sem III Enzyme Technology	1) Basics of Engineering 2) Km 3) Immobilizat ⁿ 4) Biosensor	} All covered		
	Practicals	Enzymology	Completed		
B.Sc III	Theory	EBT Patents	} Covered		



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STATEMENT OF SYLLABUS COVERED

Year : 2018 - 2019

Term : Ist / IInd

Name of the Teacher : Ms. Meenal Ulape (PBT & GE)

Department : Biotech (Opt)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
Bsc III PBT	PBT Theory	Scope of PTC, Culture media, Aseptic technique Callus.	} Covered	-	
	Practicals	All - PBT			
Bsc II	Mol Bio Theory	History, Replication, Transcript ⁿ Translat ⁿ DNA damage & Repair	} All topics covered		
	Practicals	Mol Bio - all			

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.III	Advances in Biotech	DNA fingerprinting, Gene Therapy, Antisense Therapy	} Completed	-	

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STATEMENT OF SYLLABUS COVERED

Year : 2018-2019

Term : Ist / IInd

Name of the Teacher : Wajante D. A.

Department : Biotechnology Optional.

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc I	Basics of Microbiology	History of Microbiology Microbial Nutrition Culture media Concept of Sterilization	All covered	-	
B.Sc II	Immunology	Types of immunity Ag, Ab, Hypersensitivity Organs of immune system immune response	All covered	-	
B.Sc III	Large Scale Manufacturing Processes	Design of fermenter, Types, Industrially imp. mol's, Scale up Assays, Quality	All covered	-	

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc III	Large Scale manufacturing Process.	Unhol., specific fermentation, Alcoholic fermentation, IPR.	All covered.		
	Practicals	Related to microbiology.	All covered. Term first covered.		

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Name of the Teacher : Ms. S.H. Nadaf

Department : Biotech (Optional)

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc I	Sem II	Unit I Cell	} Covered	-	
	Cell Bio & Genetics	Biology unit II Genetics			
	Practicals	Cell Biology - all	Completed	-	
B.Sc III	Sem VI				
	Advances in Biotech	1) Biochem Tech 2) Basic Tech in Biochem 3) Electrophoresis 4) Spectroscopy	} Covered	-	

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BSc III	Cell		} Covered	-	
Sem VI	Metabolism &	1) Carbohydrate metabolism			
	Vizology	2) Lipid metabolism			
		3) protein metabolism			
		4) Vizology			
	Practical	All	Completed		
	Gene technique	Unit I Technique in genetic engineering	} Covered		
		All practicals & projects			

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Name of the Teacher : Ms. Meenal Ulape

Department : _____

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc III	A.T.C Theory	History	} Syllabus completed		
		Sterilization			
		Media Concepts Culture Technique			
	Practical	All A.T.C :	covered		
	Advances in Biotech	DNA fingerprinting	} Completed		
Gene Therapy					
		Antisense Therapy			



Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
	Bioinformatics	HTTP, WAN, MAN, NCBI, EBI, Entrez, DBGet, HGP Nucleic acid database Homology modelling	} covered		

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Year : 2018 - 2019


Term : Ist / IInd

Name of the Teacher : Wajantri D.A.

Department : Biotechnology.

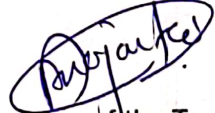
Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc I	Basic Biophysical technique	General Principle of Microbiology Concept of Photometry	All covered.		
B.Sc II	Immunology	Types of immunity Ag-Ab	All covered.		
B.Sc III	Environmental Biotechnology.	Bioremediation Bio leaching Intro. to Biofertilizers	All covered.		

Class	Subject	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc I					
B.Sc II	Microbiology	Practicals related	} All covered.		
B.Sc III	gy.	to microbiology.			


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