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Koyana Education Society Patan

Balasaheb Desai College Patan

Monthly Teaching Plan

Year 2023-24

Department: Microbiology

Month: September

Class: B.Sc. Part - I

Paper No.: II (Basic Techniques in Microbiology)

Sr No.	Date	Theory /Practical	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
1	4	Theory	Stains and Staining procedure	Stain – Definition, Types	Lecture Practical Demo	PPT
2	5	Theory		Staining Procedure	Lecture	U tube
3	6	Theory /Practical		Monochrome Staining Water Microflora	Practical Demo	Device
4	7	Theory /Practical		Negative Staining Water Microflora	Lecture Practical Demo	PPT
5	12	Theory		Gram Staining	Practical Demo	PPT
6	13	Theory /Practical		Gram Staining Air Microflora	Lecture, Practical Demo	U tube
7	14	Theory /Practical		Capsule Staining Air Microflora	Practical Demo	PPT
8	25	Theory		Volutin Staining	Lecture	U tube
9	26	Theory		Cell Wall Staining	Practical Demo	Device
10	27	Theory /Practical	Microscopy	Introduction Skin Flora	Lecture Practical Demo	PPT

B.Sc.II						
Sr. No.	Date	Theory /Practical	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
1	1	Theory	Water Microbiology	Quantitative test	Lecture	
2	4	Practical		HL test IMVIC Test	Lecture	PPT
3	5	Theory		MPN test	Lecture Practical Demo	You tube
4	6	Theory		Membrane filter test	Lecture Practical Demo	Device
5	7	Theory		Municipal water purification process	Lecture	PPT
6	8	Theory	Dairy Microbiology	Municipal water purification process	Lecture	PPT
7	11	Theory & Practical		Urea agar preparation Sources of MOs in milk	Lecture Demo	You tube
8	12	Theory & Practical		Urea hydrolysis test Composition of milk	Lecture	You tube
9	13	Theory		DMC	Lecture	Device
10	14	Theory		SPC	Lecture Practical Demo	PPT
11	15	Theory		Dye reduction test	Lecture Practical Demo	PPT
12	25	Theory & Practical		Arginine test Pasteurization test	Lecture	You tube
13	26	Theory & Practical		Phosphatase test	Lecture Practical Demo	PPT
14	27	Theory & Practical		Phosphatase test	Lecture	You tube

B.Sc.III						
Sr. No.	Date	Theory /Practical	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
1	1	Theory	Oncogenesis	Temperate phages	Lecture	
2	2	Theory		Adenovirus	Lecture	PPT
3	4	Theory		Adenovirus	Lecture	You tube
4	5	Theory		Adenovirus	Lecture	Device
5	6	Theory		TMV	Lecture	PPT
6	7	Theory		TMV	Lecture	PPT
7	8	Theory		Reproduction of TMV	Lecture Demo	You tube
8	11	Theory		Oncogenesis	Lecture	You tube
9	12	Theory		Definition and characteristics	Lecture	You tube
10	13	Theory		Definition and characteristics	Lecture	You tube
11	14	Theory		Definition and characteristics	Lecture	You tube
12	15	Theory		Types of cancer cell	Lecture Demo	
13	16	Theory		Types of cancer cell	Lecture	
14	25	Theory		Role of RNA virus in cancer	Lecture	
15	26	Theory		Provirus	Lecture	
16	27	Theory		Poxvirus	Lecture	

Sapkal

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