

Koyana Education Society Patan  
**Balasaheb Desai College Patan**  
**Monthly Teaching Plan**  
**Year 2023-24**

Department: Microbiology

Class: B.Sc. Part - I

Month: January

Paper No.: III (Bacteriology)

Sr.No.	Date	Theory /Practical	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
1	1	practical	Microbial Nutrition and Culture Media	Types of Culture Media	Lecture	PPT
2	2	Practical		Components of media	Lecture	U tube
3	3	Theory		Natural and Synthetic media	Demo	Device
4	4	Theory		Chemically defined media	Lecture, Demo	PPT
5	5	Theory		Complex media	Lecture	PPT
6	8	Practical		Selective	Lecture, Demo	U tube
7	9	Practical		Differential	Demo	PPT
8	10	Theory		Enriched	Lecture	U tube
9	11	Theory		Enrichment media.	Demo	Device
10	12	Theory	Cultivation of microorganisms	Use of culture media for cultivation	Lecture Demo	PPT Laboratory
11	15	Practical		Conditions required for growth	Lecture	You tube
12	16	Practical		Isolation of Bacillus	Lecture	You tube
13	18	Theory	Isolation, Cultivation and Preservation of Microorganisms.	Pure culture techniques –	Lecture, Demo	Practical Demo
14	19	Theory		Streak plate	Lecture	
15	22	Practical		Spread plate	Lecture,	Practical Demo
16	23	Practical		Pour Plate and micromanipulator	Lecture,	Practical Demo
17	25	Theory		Isolation and cultivation of anaerobic organisms	Lecture	Practical Demo
18	27	Theory		using media components	Practical Demo	Practical Demo

<b>B.Sc.II</b>						
<b>Sr. No.</b>	<b>Date</b>	<b>Theory /Practical</b>	<b>Unit</b>	<b>Sub Unit</b>	<b>Teaching method</b>	<b>Teaching Aid/ICT Use</b>
1	1	Theory & Practical	Modes of transmission of diseases	water & food	Lecture	
2	2	Practical		Contact transmission , Vector borne transmission	Lecture	PPT
3	3	Theory, Practical		prevention of microbial diseases.	Lecture Practical Demo	You tube
4	4	Theory, Practical		prevention of microbial diseases.	Lecture Practical Demo	Device
5	8	Practical		Control of microbial diseases.	Lecture	PPT
6	9	Theory		Control of microbial diseases.	Lecture	PPT
7	10	Theory, Practical		Normal flora of human body & its significance	Lecture Demo	You tube
8	11	Theory, Practical		Normal flora of human body & its significance	Lecture	PPT
9	15	Theory & practical		Normal flora of human body & its significance	Lecture	You tube
10	16	Theory	Immunology	Defintion	Lecture	Device
11	17	Theory, practical		Innate Immunity	Lecture Demo	PPT
12	18	Theory, Practical		Acquired Immunity	Lecture	PPT
13	22	Practical	Non Specific defense	First line of defense	Demonstration	You tube
14	23	Theory		First line of defense	Lecture	PPT
15	24	Theory		First line of defense	Lecture	PPT
16	29	Theory		Second line of defense	Lecture	You tube
17	30	Theory		Second line of defense	Lecture	PPT
18	31	Theory		Second line of defense	Lecture	PPT

<b>B.Sc.III</b>						
<b>Sr. No.</b>	<b>Date</b>	<b>Theory /Practical</b>	<b>Unit</b>	<b>Sub Unit</b>	<b>Teaching method</b>	<b>Teaching Aid/ICT Use</b>
1	2	Theory	Chemotherapy	<i>Candida albicans</i>	Lecture	
2	3	Theory		<i>Candida albicans</i>	Lecture	PPT
3	4	Theory		Hepatitis A & B virus	Lecture	You tube
4	5	Theory		Hepatitis A	Lecture	Device
5	10	Theory		Hepatitis virus	Lecture	PPT
6	11	Theory		Chemoprophylaxis	Lecture	PPT
7	12	Theory		Chemoprophylaxis	Lecture Demo	You tube
8	16	Theory		General principles of chemotherapy	Lecture	You tube
9	18	Theory		General principles of chemotherapy	Lecture	You tube
10	19	Theory			Lecture	You tube
11	23	Theory			Lecture	You tube
12	24	Theory	Drug resistance	Reasons	Lecture	You tube
13	25	Theory		Reasons	Lecture	You tube
14	30	Theory	Drug resistance	Mechanism of drug resistance	Lecture	You tube
15	31	Theory		Mechanism of drug resistance	Lecture Demo	Question Bank

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