

Monthly Teaching Plan


Department: Microbiology

Class: B.Sc. Part – I

Month: December Paper No. & Name: IV Microbial biochemistry

Date	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
07/12/23	Unit I	Starch	Lecture	PPT
08/12/23		Glycogen	Lecture	
09/12/23		cellulose	Lecture	PPT
14/12/23	lipid	Simple lipid	Lecture	
15/12/23		Fats	Lecture	
16/12/23		Oils	Lecture	PPT
21/12/23		Waxes	Lecture	PPT
22/12/23		Compound lipids	Lecture	PPT
23/12/23		Phospholipids	Lecture	Use of multimedia centre
28/12/23		Glycolipids	Lecture	
29/12/23		Derived lipids	Lecture	

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Month: December

Class: B.Sc. Part - II
Paper No. & Name: IV Microbial genetics

Date	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
01/12/23		Genetic code	Lecture	
02/12/23		DNA damage by mutation	Lecture	
07/12/23		Spontaneous mutation	Lecture	
08/12/23		Induced mutation definition ,concept	Lecture	
09/12/23		Base analogues	Lecture	
14/12/23		Mutagens modifying nitrogen bases	Lecture	
15/12/23		Mutagens that distort DNA	Lecture	
16/12/23		Gene transfer in bacteria	Lecture	
21/12/23		Fate of exogenote in recipient cell	Lecture	
28/12/23		Modes of gene transfer- Transformation	Lecture	
29/12/23		Conjugation	Lecture	
30/12/23		Transduction	Lecture	

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Class: B.Sc. Part - III

Month: December

Paper No. & Name: XIII Microbial Genetics

Date	Unit	Sub Unit	Teaching method	Teaching Aid/ICT Use
1/12/2023	Unit I	Pribnow box	Lecture	
2/12/2023		Genetic regulation in tryptophan	Lecture	PPT
4/12/2023		Expression of mutation	Lecture	PPT
5/12/2023		Time course of phenotypic expression	Lecture	
06/12/2023		Conditional expression of mutation	Lecture	
07/12/2023		Suppressor mutation- Genetics		
8/12/2023		Non genetics		
9/12/2023		Isolation and detection of mutants		
10/12/2023		Relative survival, growth		
11/12/2023		Visual detection		
13/12/2023		Genetic complementation cis-trans test		
14/12/2023		Extrachromosomal inheritance		
15/12/2023		Kappa partials		
16/12/2023		Transposable elements		
17/12/2023	Unit II	Techniques DNA sequencing		
18/12/2023		DNA finger printing, PCR		
20/12/2023		Genetic Engineering		
21/12/2023		Tools enzymes, vectore, DNA probe		

22/12/2023		Linkers, adaptor, cloning organism. Genomic library		
23/12/2023		Techniques shot gun. Cdna,chemical synthesis		
26/12/2023		Homopolymer tails, blue and white screening		
27/12/2023		Application – Medicals		
28/12/2023		Agriculture		
29/12/2023		Industry		
30/12/2023		Environment		

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