

# Lesson plan

Name of the Faculty: Mr. Lovepreet Singh

YadavDiscipline :DMLT

Semester : 2<sup>nd</sup>

Subject : Bacteriology

Lesson Plan Duration :15 weeks

Workload(Lecture /practical)per week (n hours) = Lecture= 03, Practical=02

Week	Theory		Practical	
	Lecture day	Topics(inculdingassignment/test)	Practical Day	Topic
1	1	Introduction to Bacteriology	1	Collection, transportation and processing of urine sample
	2	General characteristics of bacteria		
	3	Morphology of bacteria		
2	4	Staining for bacteria	2	Collection, transportation and processing of stool sample
	5	Culture media and methods for bacteria		
	6	Biochemical tests for bacteria		
3	7	characteristics of gram positive bacteria	3	Collection, transportation and processing of throat swabs
	8	Antibiotics related to gram positive bacteria		
	9	Staphylococci Bacteria		
4	10	Streptococci bacteria	4	Collection, transportation and processing of pus swabs
	11	Pneumococci bacteria		
	12	E. Coli bacteria		
5	13	Salmonella bacteria	5	Collection, transportation and processing of blood sample
	14	Shigella Bacteria		
	15	Test 1 <sup>st</sup> unit		
6	16	characteristics of gram negative bacteria	6	Collection, transportation and processing of skin sample
	17	Pseudomonas		
	18	Proteus		
7	19	Vibrio Cholerae	7	Collection, transportation and processing of eye swabs
	20	Neisseria		
	21	Treponema Pallidium		
8	22	Mycobacterium Tuberculosis and Laprae	8	Collection, transportation and processing of ear swabs
	23	test 2 <sup>nd</sup> unit		
	24	Assignment of 2 <sup>nd</sup> unit		
9	25	viva 1,2, unit	9	Collection, transportation and processing of CSF sample
	26	Introduction, Pathogenicity and infection		
	27	Source of infection		
10	28	Mode of spread of infection	10	Collection, transportation and processing of urine sample
	29	Types of infection		
	30	Test 3 <sup>rd</sup> unit		
11		Introduction of nosocomial infection	11	Preparation of culture media
	32	Common types of nosocomial infection		
	33	Source of nosocomial infection		

12	34	Control of nosocomial infection	12	Perform culture methods
	35	Lab diagnosis of infectious diseases		
	36	Septicemia		
13	37	Bacteraemia	13	Preparation of blood culture
	38	Respiratory tract infection		
	39	Wound infection		
14	40	UTI	14	Preparation of MacConkey agar
	41	Enteric fever		
	42	Intestinal infection		
15	43	Meningitis	15	AST
	44	Revision of different infections		
	45	Viva of infections		