Lesson Plan

Name of the Faculty   : Mr.Bhoodev Singh (Visiting Faculty)

Discipline   : Medical Lab Technology

Semester   : 2nd

Subject   : Clinical Microbiology-II

Lesson Plan   : 15 weeks (from January -April 2018)

Work load (lecture/practical) per week (in hours)   : Lectures-03, practicals-04

Week	Theory		Practical	
	Lecture day	Topic(including assignment test)	Practical Day (2 hours lab each day), (2 hours each day*2days in week=4 weekly load)	Topic
1st	1st	Introduction to the whole syllabus of CMB-II	1st & 2nd	1. Collection, transportation of clinical samples, processing including culture of urine
	2nd	**Ch - 1** Bacteriology - General characteristics of bacteria		
	3rd	Discussion General characteristics of bacteria morphology, staining		
2nd	4th	Assignment -1 General characteristics of bacteria culture	3rd & 4th	2. Collection, transportation of clinical samples, processing including culture of stool.
	5th	biochemical – Characteristics		
	6th	distribution of :- Staphylococi		
3rd	7th	distribution of :- Streptococci	5th & 6th	3. Collection, transportation of clinical samples, processing

	8th	distribution of :- pneumococci		including culture of sputum throat swabs
	9th	Enterobacteriacae - (E coli, Salmonella, Shigella)		
4th	10th	Enterobacteriacae - (E coli, Salmonella, Shigella)	7th & 8th	4. Collection, transportation of clinical samples, processing including culture of pus and pus swab.
	11th	Pseudomonas		
	12th	Proteus		
5th	13th	Vibrio Cholerae	9th & 10th	Viva of the exrperiments performed in lab
	14th	Neisseria		
	15th	Treponema Pallidium		
6th	16th	Mycobacterium tuberculosis	11th & 12th	5. Collection, transportation of clinical samples, processing including culture of Blood
	17th	Revision of the ch-1		
	18th	Class test – 1 ch - 1		
7th	19th	Ch - 2. Bacterial pathogenicity Introduction of pathogenicity	13th & 14th	6. Collection, transportation of clinical samples, processing including culture of Skin
	20th	Introduction of pathogenicity & infection		
	21st	Sources of infection		

8th	22nd	Mode of spread of infection	15th & 16th	7. Collection, transportation of clinical samples, processing including culture of Eye and Ear swabs
	23rd	Types of infection		
	24th	Assignment – 2 Types of infection		
9th	25th	Ch – 3 Nosocomial Infection-Introduction	17th &18th	Revision of experiment 5,6,7
	26th	Common types		
	27th	source of nosocomial infection		
10th	28th	source of nosocomial infection	19th &20th	8. Identification of known bacterial cultures of common pathogens
	29th	Control of nosocomial infections		
	30th	Control of nosocomial infections		
11th	31st	Revision ch-2,3	21st &22nd	Identification of known bacterial cultures of common pathogens
	32nd	Class test-2 of ch – 2,3		
	33rd	Ch – 4 Laboratory diagnosis of infectious diseases: introduction		
12th	34th	Respiratory tract infections (Throat Swab and Sputum sample)	23rd & 24th	Viva of experiment 8
	35th	Assignment – 3 Wound infections		

	36th	Urinary tract infections		
13th	37th	Enteric fever &Intestinal infection	25th & 26th	Problem solving seesions of students in practicals
	38th	Revision of ch-4		
	39th	Class test ch-1		
14th	40th	Revision of ch – 2	27th & 28th	VIVA
	41st	Revision ch-3		
	42nd	Revision test ch-3		
15th	43th	Revision ch-4	29th & 30th	Revision of experiments
	44th	Revision test ch-4		
	45th	Revision of whole syllabus		