

Proforma of the Lesson plan

Name of the Faculty : Pardeep Kumar

Discipline : DMLT

Semester : 1st

Subject : Fundamental of MLT Lesson Plan

Duration : 15 weeks (From October 2022)

Work load (Lecture / practical) per week (hours) = Lecture=3, Practical=2

WORK	THEORY		PRACTICAL	
	Lecture Day	Topic (Including assignment/test)	Practical Day	Topic
1	1	Basic Ethics Of Medical Laboratory Technology	1	THE PRINCIPAL AND PROCEDURE OF AUTOCLAVE
	2	Training Of Clinical Laboratory Technicians		
	3	Medical Laboratory Professional –Professionalism In Laboratory Workers		
2	4	Code Of Conduct And Communication Between Physcian And Lab Technicians	2	IDENTIFY THEIR PARTS WATER BATH
	5	First Aid In The Clinical Laboratory		
	6	Storage And Handling Of Dangerous Chemicals		
3	7	Common Laboratory Hazards	3	THE PRINCIPAL AND PROCEDURE OF HOT AIR OVEN
	8	Color Coding Of Various Waster Disposal Containers In The Labs		
	9	Introduction To Basic Equipments In Mlt		
4	10	Introduction To Basic Equipments In Mlt	4	THE PRINCIPAL AND PROCEDURE OF INCUBATOR
	11	Different Types Of Syringes Used For Blood Collections		
	12	Different Types Of Syringes Used For Blood Collections		
5	13	Basic Requirements Of Blood Collections	5	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS CENTRIFUGE MACHINE
	14	Basic Requirements Of Blood Collections		
	15	Revision		
6	16	Revision	6	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS COLORIMETER
	17	Centrifuge Croutime Low And High Speed Table Top		
	18	Water Bath		
7	19	Hot Air Oven	7	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS OF COMPOUND MICROSCOPE
	20	Incubator		
	21	Colorimeter		
8	22	Compound Microscope (Minocular And Binocular)	8	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS OF MICROSCOPE
	23	Revision		
	24	Class Test		
9	25	Assignments	9	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS PH METER
	26	Ph Meter		
	27	Distillation Unit		
10	28	Balance	10	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS OF CHEMICAL BALANCE
	29	Microstone		
	30	Microbe Filters (Seitz , Glass, Scintered, Membrane)		
11	31	Revision	11	TO DEMONSTRATE BASIC INTERNAL ORIGANIZATION IDENTITIEF THEIR PARTS PHYSCIAL BALANCE
	32	Refrigerated Centrifuge Or Ultra Centrifuge		
	33	Specialised Incubator Or Bod Incubator		
12	34	Special Microscope	12	PREPARATION OF MATERIAL FOR STERILIZATION IN AN AUTOCLAVE
	35	Dark Field Microscopes		
	36	Phase Contrast Microscopes		
13	37	Florescence Microscope	13	PREPARATION OF MATERIAL FOR STERILIZATION IN AN HOT AIR OVEN
	38	Electron Mircscope		
	39	Tissue Processing Unit		
14	40	Biochemistry Analyzer	14	
	41	Laminar Air Flow Hood & Their Different Types		
	42	Haemotology Cell Counter		
15	43	Revision	15	

	44	Class Test		
	45	Assignment		