

Lesson Plan

Name of the Faculty : Mr.Taniya Gautam (Visiting faculty)

Discipline : Medical lab Technology

Semester : 4th

Subject : Medical Lab Management

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

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

Week	Theory	
	Lecture day	
1 st	1 st	Introduction of whole syllabus of MEDICAL LABORATORY MANAGEMENT
	2 nd	Ch -1. Introduction, Layout, need and Facility of clinical Laboratory
	3 rd	Role of medical laboratory technology in total health care
	4 th	principles of management
2 nd	5 th	techniques of planning
	6 th	techniques of planning
	7 th	physical facilities/equipments
	8 th	layout and design of medical lab
3 rd	9 th	Ch -2. Laboratory Organization and Layout

	10 th	Laboratory organization
	11 th	Laboratory operations
	12 th	Laboratory job description
4 th	13 th	Evaluation of results
	14 th	Performance of laboratory and its workers
	15 th	Layout of clinical laboratories
	16 th	Layout of Blood Bank
5 th	17 th	Revision of 1 st and 2 nd chapters by group discussion
	18 th	Assignment -1 Role of Computer in Lab services (03 hrs) Storage and retrieval of laboratory data manually and with help of computers
	19 th	Ch -3. Material Required
	20 st	Material management,
6 th	21 nd	Material procurement
	22 rd	financial resources importing,
	23 th	inventory, control and analysis

	24 th	Material inspection, storage etc
7 th	25 th	Ch -4. Quality Assurance; introduction of Q.A.
	26 th	Analytical control
	27 th	Internal and external quality assurance in clinical laboratories,
	28 th	Assignment -2 Internal and external quality assurance in clinical laboratories,
8 th	29 th	Description of precision & accuracy
	30 th	Description of standard deviation as per national standards
	31 st	Revision of ch – 3,4.
	32 nd	Class test - 1 of the syllabus covered in class.
9 th	33 rd	Ch -5 Safety Precautions in med.lab
	34 th	Safety measures in clinical laboratories (microbiology, haematology)
	35 th	Safety measures in clinical laboratories (biochemistry, histopathology and cytology)
	36 th	Safety measures in clinical laboratories(transfusion medicine)
10 th	37 th	Disposal of Biomedical waste.

	38 th	Ch -6 6. First Aid in Clinical Laboratory: first aid box in laboratory
	39 th	a) Acid burn/Alkali burn
	40 th	b) Accidental trauma
11 th	41 st	c) Gas/Toxic inhalation
	42 nd	d) Spillage
	43 rd	Class test -2 of Ch- 5,6.
	44 th	Ch -7. Medical Ethics and Code of Conduct
12 th	45 th	Ethics and code of conduct - legal aspects
	46 th	confidentiality malpractice/ negligence
	47 th	legal implications and law suits
	48 th	consumer protection and insurance for professional health hazards
13 th	49 th	consumer protection and insurance for professional health hazards
	50 th	Ch - 8 Laboratory Equipment- Care and Maintenance
	51 st	Preventive maintenance

	52 nd	Assignment -3 How to care of various laboratory equipment
14 th	53 rd	Ch-10 Laboratory Accreditation – Introduction
	54 th	Laboratory Accreditation – need of accreditation
	55 th	Revision of ch – 8,10
	56 th	Class test- ch 7,8,10
15 th	57 th	Revision of ch-9
	58 th	Revision tests
	59 th	Revision tests
	60 th	Revision test