Lesson plan

Name of the Faculty : Rajesh Kumar

: 4th

Discipline : DMLT

Semester

Subject : IMMUNOPATHOLOGY AND CYTOLOGY

Lession Plan Duration : 15 weeks

Work load (Lecture / practical) per week (n hours) = Lecture= 03, Practical=04

	Theory		Practical	
	Lecture		Practical	
Week	day	Topics (inculding assignment/test)	Day	Торіс
1	1	Principle, significance and interpretation of	-	Demonstration of cryostat
		PAS (Periodic Acid Schiff's Reagent)	1	(brochures and charts can be
	2	Principle, significance and interpretation of -		used)
	3	Principle, significance and interpretation of		
		Reticulin fibre		
2	4	Principle, significance and interpretation of	2	Processing of tissue for frozen section
	5	Ziehl Neelson's – for AFB and Leprae		
	5	Masson's trichrome stain		
	6	Principle, significance and interpretation of		
3	7	Principle, significance and interpretation of	3	Staining and mounting of frozen section using H&E
	8	Definition of Decalcification		
	9	Process of decalcification		
4	10	Various types of decalcifying methods, Their	4	To stain paraffin embedded section for the
		mechanism, advantage, disadvantage and		
	11	annlications		
	11			demonstration of reticulin
	12	Reportion of frequentions		fibers by Silver
5	13	Reception of frozen tissue	5	To stain paraffin embedded section using Oil Red "O"
	14	processing of frozen tissue		
	15	Adventence and dis adventence of freezing		
6	10	Advantages and dis-advantages of freezing	6	Preparation of Kaiserling's solution I and II for
	1/	Freezen sestien outting		
	18	Frozen section culling		· · ·
7	19	Staining - Rapid H&E - Fat Stain, Mounting of	7	Preparation of various mounting reagents for
	20	Recention fivetion and processing of various		
ļ	21	Reception, invation and processing of various		
8	22		8	Processing and Labeling of various museum
	23	Care and maintenance of autonsy area		
	24	bandling of doad bodies and various use of		+ · · · · · · · · · · · · · · · · · · ·
9	25	Linit tost	9	Demonstration and care of autopsy instruments
	20	Assignment		
10	27	Principle of ENAC (Fine Needle Association	10	Preparation of dry smear and wet smear
	20	Procedure of ENAC		
	30	Indications of ENAC		
11	30	Uses of FNAC	11	To perform PAP stain
	30	Principle Technique & Interpretation of BAS		
11	22	Principle, Technique & Interpretation of Zaibl		
	24	Advancements in Cytology		Fivetion of emperatorial statistics
10	25	Assignment	10	Fixation of smears and staining
12	55	Assignment	12	

	36	Automation in Cytology		with MGG
	37	Use of Cytospin		To perform Harmonal
13	38	Harmonal Assessment	13	Assessment
	39	Importance of HCG		
	40	Use of Harmonal Assessment (Pregnancy		To perform PAS staining
14	41	Revision of unit I	14	method of cytological sample
	42	Class test		
15	43	Revision of unit II		To perform ZN staining method
	44	Cytological Special Stains	15	of cytological sample
	45	Assignment		