Lesson plan

Name of the Faculty : Rajesh Kumar
Discipline : DMLT
Semester : 4th
Subject : Clinical Hematology II
Lession Plan Duration : 15 weeks
Work load (Lecture / practical) per week (n hours) = Lecture= 03, Practical=04

	Theory		Practical	
Week	Lecture day	Topics (inculding assignment/test)	Practical Day	Topic
1	1	Introduction to normal haemostasis	1	Determination of bleeding time by Dukes method
	2	Theories of blood coagulation		
	3	Platelets and their role in haemostasis including count		
2	4	Bleeding disorders and related diseases	2	Determination of bleeding time by Ivy's method
	5	Principles, clinical importance, reference values and methods of prothrombin time, prothrombin time index (PTI)		
	6	Principles, clinical importance, reference values and methods of International normalized ratio (INR)		
3	7	Principles, clinical importance, reference values and methods of Activated Partial Thromboplastin time (APTT)	3	Determination of clotting time by Lee and White method
	8	Principles, clinical importance, reference values and methods of Thrombin Time (TT)		
	9	Principles, clinical importance, reference values and methods of bleeding time (BT)		
4	10	Principles, clinical importance, reference values and methods of Hess test, clotting time (CT)	4	Demonstration of Hess test
	11	Principles, clinical importance, reference values and methods of clot retraction test (CRT)		
	12	Class Test		
5	13	Assignment	5	Performance of Clot retraction test
	14	Composition and function of bone-marrow		
	15	Aspiration of bone-marrow by various		
6	16	Preparation, staining and examination of	6	Demonstration of Bone marrow Aspiration
	17	smears for myclogram including M.E. Ratio		
	18	Iron staining (Perls' reaction)		
7	19	Significance of bone-marrow examination	7	Demonstration of Preparation, staining and
	20	Class test		
	21	Assignment		
8	22	Revision of PYQ	8	Demonstration of Laboratory diagnosis of
	23	Leukemia		
	24	Definition of leukemias		
9	25	(FAB) Classification	9	Demonstration of LE Cell
	26	Laboratory diagnosis of CLL		
	27	Laboratory diagnosis of AML		

10	28	Laboratory diagnosis of CML	10	Cell counts of biological fluids
	29	Laboratory diagnosis of ALL		
	30	Class Test		
11	31	Asignment	11	Semen analysis
	32	LE Cell Phenomenon		
	33	tart cell		
12	34	its differentiation from tart cell	12	
	35	Demonstration of LE cell by osmotic method		
	36	Demonstration of LE cell by mechanical		
13	37	Clinical significance.	13	
	38	Assignment		
	39	Class test		
14	40	Biological Body Fluids	14	
	41	Semen Analysis in detail		
	42	Sperm count		
15	43	Cell counts of various biological fluids	15	
	44	Class test		
	45	Assignment		