

Name of the Faculty : Miss. Manisha  
 Discipline : DMLT  
 Semester : 2<sup>nd</sup>  
 Subject : Clinical Hematology-II  
 Lesson Plan Duration : One Hour

\*\*Work Load(Lecture/Practical) per week (in hours); Lectures -03, Practicals-04

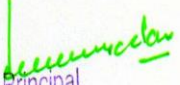
Week	Theory		Practical	
	Lecture Day	Topic (including assignment/ test)	Practical Day	Topic
1st	1 <sup>st</sup>	Haemoglobinometry- Introduction	1 <sup>st</sup>	Preparation of Peripheral Blood Film
	2 <sup>nd</sup>	Haemoglobinometry- Introduction	2 <sup>nd</sup>	Preparation of Peripheral Blood Film
	3 <sup>rd</sup>	Haemoglobinometry- Formation of Haemoglobin	3 <sup>rd</sup>	Preparation of Peripheral Blood Film
2nd	4 <sup>th</sup>	Haemoglobinometry- Function and its Degradation	4 <sup>th</sup>	Preparation and Standardization of Stains (Leishman and Giemsa)
	5 <sup>th</sup>	Haemoglobinometry- Function and its Degradation	5 <sup>th</sup>	Preparation and Standardization of Stains (Leishman and Giemsa)
	6 <sup>th</sup>	Haemoglobinometry- Types of Haemoglobin	6 <sup>th</sup>	Preparation and Standardization of Stains (Leishman and Giemsa)
3rd	7 <sup>th</sup>	Haemoglobinometry- Types of Haemoglobin	7 <sup>th</sup>	Preparation of Thick and Thin Blood Smear
	8 <sup>th</sup>	Haemoglobinometry- various Methods of estimation with specific reference to Cyanmethaemoglobin Method	8 <sup>th</sup>	Preparation of Thick and Thin Blood Smear
	9 <sup>th</sup>	Haemoglobinometry- various Methods of estimation with specific reference to Cyanmethaemoglobin	9 <sup>th</sup>	Preparation of Thick and Thin Blood Smear

		Method		
4th	10 <sup>th</sup>	Haemoglobinometry- various Methods of estimation with specific reference to Cyanmethaemoglobin Method	10 <sup>th</sup>	Haemoglobin estimation by Sahli's Method, Oxy- Haemoglobin and Cyanmethaemoglobin Method
	11 <sup>th</sup>	Haemoglobinometry- various Methods of estimation with specific reference to Cyanmethaemoglobin Method	11 <sup>th</sup>	Haemoglobin estimation by Sahli's Method, Oxy- Haemoglobin and Cyanmethaemoglobin Method
	12 <sup>th</sup>	Revision	12 <sup>th</sup>	Haemoglobin estimation by Sahli's Method, Oxy- Haemoglobin and Cyanmethaemoglobin Method
5th	13 <sup>th</sup>	Haemocytometry- various Counting Chambers	13 <sup>th</sup>	Haemoglobin estimation by Sahli's Method, Oxy- Haemoglobin and Cyanmethaemoglobin Method
	14 <sup>th</sup>	Haemocytometry- various Counting Chambers	14 <sup>th</sup>	Counting of RBC
	15 <sup>th</sup>	Haemocytometry- various Counting Chambers	15 <sup>th</sup>	Counting of RBC
6th	16 <sup>th</sup>	Haemocytometry- various Counting Chambers	16 <sup>th</sup>	Counting of WBC
	17 <sup>th</sup>	Haemocytometry- Method of Counting of RBC	17 <sup>th</sup>	Counting of WBC
	18 <sup>th</sup>	Haemocytometry- Method of Counting of RBC	18 <sup>th</sup>	Counting of Platelets
7th	19 <sup>th</sup>	Haemocytometry- Method of Counting of WBC	19 <sup>th</sup>	Counting of Platelets
	20 <sup>th</sup>	Haemocytometry- Method of Counting of WBC	20 <sup>th</sup>	Absolute Eosinophil Counting
	21 <sup>st</sup>	Haemocytometry-	21 <sup>st</sup>	Absolute Eosinophil

		Method of Counting of Platelets		Counting
8th	22 <sup>nd</sup>	Haemocytometry- Method of Counting of Platelets	22 <sup>nd</sup>	Study of Morphology of Normal RBC and WBC with the help of Stained Slides
	23 <sup>rd</sup>	Haemocytometry- Their Calculation	23 <sup>rd</sup>	Study of Morphology of Normal RBC and WBC with the help of Stained Slides
	24 <sup>th</sup>	Haemocytometry- Their Calculation	24 <sup>th</sup>	Study of Morphology of Normal RBC and WBC with the help of Stained Slides
9th	25 <sup>th</sup>	Haemocytometry- Reference Values	25 <sup>th</sup>	To Study Abnormal Morphology of RBC with the help stained slides
	26 <sup>th</sup>	Haemocytometry- Reference Values	26 <sup>th</sup>	To Study Abnormal Morphology of RBC with the help stained slides
	27 <sup>th</sup>	Haemocytometry- Reference Values	27 <sup>th</sup>	To Study Abnormal Morphology of RBC with the help stained slides
10th	28 <sup>th</sup>	Revision	28 <sup>th</sup>	To Study Abnormal Morphology of WBC with the help stained slides
	29 <sup>th</sup>	Revision	29 <sup>th</sup>	To Study Abnormal Morphology of WBC with the help stained slides
	30 <sup>th</sup>	Revision	30 <sup>th</sup>	To Study Abnormal Morphology of WBC with the help stained slides
11 <sup>th</sup>	31 <sup>st</sup>	Differential Leucocytes Counting DLC- Introduction	31 <sup>st</sup>	To Study Abnormal Morphology of Platelets with the help stained slides
	32 <sup>nd</sup>	Differential Leucocytes Counting DLC- Preparation	32 <sup>nd</sup>	To Study Abnormal Morphology of Platelets with the help stained slides
	33 <sup>rd</sup>	Differential	33 <sup>rd</sup>	To Study Abnormal

		Leucocytes Counting DLC- Staining of Blood Film		Morphology of Platelets with the help stained slides
12 <sup>th</sup>	34 <sup>th</sup>	Differential Leucocytes Counting DLC- Performance	34 <sup>th</sup>	Revision Classes
	35 <sup>th</sup>	Differential Leucocytes Counting DLC- Normal Values	35 <sup>th</sup>	Revision Classes
	36 <sup>th</sup>	Differential Leucocytes Counting DLC- Significance	36 <sup>th</sup>	Revision Classes
13 <sup>th</sup>	37 <sup>th</sup>	Differential Leucocytes Counting DLC- Blood cell Morphology in Health and Disease (PBF)		
	38 <sup>th</sup>	Quality Assurance in Haematology such Accuracy, Precision		
	39 <sup>th</sup>	Quality Assurance in Haematology such Accuracy, Precision		
14 <sup>th</sup>	40 <sup>th</sup>	Quality Assurance in Haematology such Accuracy, Precision		
	41 <sup>st</sup>	Automation in Haematology- Introduction		
	42 <sup>nd</sup>	Automation in Haematology- Various types of Blood Cell Counter		
15 <sup>th</sup>	43 <sup>rd</sup>	Automation in Haematology- Various types of Blood Cell Counter		
	44 <sup>th</sup>	Automation in Haematology- Principle and Operation of the Automated Blood Cell Counters		
	45 <sup>th</sup>	Automation in Haematology- Principle and Operation of the		

		Automated Blood Cell Counters		
16 <sup>th</sup>	46 <sup>th</sup>	Revision		
	47 <sup>th</sup>	Revision		
	48 <sup>th</sup>	Revision		

  
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