

Name of the Faculty : Mr. Yajbir

Discipline : DMLT

Semester : 2nd

Subject : Clinical Biochemistry-II

Lesson Plan Duration : One Hour

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

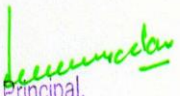
Week	Theory		Practical	
	Lecture Day	Topic (including assignment/ test)	Practical Day	Topic
1st	1 st	Blood Glucose/ Sugar estimation, Screening Test and GTT- Metabolism of Glucose	1 st	Preparation of Reagents (Stock and Working)
	2 nd	Blood Glucose/ Sugar estimation, Screening Test and GTT- Metabolism of Glucose	2 nd	Preparation of Reagents (Stock and Working)
	3 rd	Blood Glucose/ Sugar estimation, Screening Test and GTT-Principle and Methods of Estimation	3 rd	Preparation of Reagents (Stock and Working)
2nd	4 th	Blood Glucose/ Sugar estimation, Screening Test and GTT-Principle and Methods of Estimation	4 th	Preparation of Reagents (Stock and Working)
	5 th	Blood Glucose/ Sugar estimation, Screening Test and GTT- Reference Values	5 th	Estimation of Blood Glucose/ Sugar (Folin-wu Method , O-Toluidine method and Enzymatic method)
	6 th	Blood Glucose/ Sugar estimation, Screening Test and	6 th	Estimation of Blood Glucose/ Sugar (Folin-wu

		GTT-Renal Threshold		Method , O-Toluidine method and Enzymatic method)
3rd	7 th	Blood Glucose/ Sugar estimation, Screening Test and GTT-Renal Threshold	7 th	Estimation of Blood Glucose/ Sugar (Folin-wu Method , O-Toluidine method and Enzymatic method)
	8 th	Blood Glucose/ Sugar estimation, Screening Test and GTT-Renal Threshold	8 th	Estimation of Blood Glucose/ Sugar (Folin-wu Method , O-Toluidine method and Enzymatic method)
	9 th	Blood Glucose/ Sugar estimation, Screening Test and GTT- Importance and Performance of ST/GTT	9 th	Estimation of Blood Glucose/ Sugar (Folin-wu Method , O-Toluidine method and Enzymatic method)
4th	10 th	Blood Glucose/ Sugar estimation, Screening Test and GTT- Importance and Performance of ST/GTT	10 th	Estimation of Blood Glucose/ Sugar (Folin-wu Method , O-Toluidine method and Enzymatic method)
	11 th	Blood Glucose/ Sugar estimation, Screening Test and GTT- Clinical Importance of Blood Sugar, ST/GTT	11 th	Performance of ST/GTT
	12 th	Revision	12 th	Performance of ST/GTT
5th	13 th	Blood Urea – Introduction	13 th	Performance of ST/GTT
	14 th	Blood Urea- Formation and Excretion of Urea	14 th	Performance of ST/GTT
	15 th	Blood Urea-	15 th	Serum Urea

		Formation and Excretion of Urea		Estimation
6th	16 th	Blood Urea- Principle and Procedure of Different Methods of Urea Estimation	16 th	Serum Urea Estimation
	17 th	Blood Urea- Principle and Procedure of Different Methods of Urea Estimation	17 th	Serum Urea Estimation
	18 th	Blood Urea- Reference Values and Clinical Significance	18 th	Serum Urea Estimation
7th	19 th	Blood Urea- Reference Values and Clinical Significance	19 th	Revision
	20 th	Test	20 th	Revision
	21 st	Serum Creatinine - introduction	21 st	Serum Creatinine Estimation
8th	22 nd	Serum Creatinine – Principle and Procedure of various Estimation methods	22 nd	Serum Creatinine Estimation
	23 rd	Serum Creatinine – Principle and Procedure of various Estimation methods	23 rd	Serum Creatinine Estimation
	24 th	Serum Creatinine- Reference Values and Clinical Significance	24 th	Revision
9th	25 th	Serum Protein- Introduction	25 th	Serum Plasma and Serum Protein Estimation
	26 th	Serum Protein- Different Methods of Estimation including Principles and Procedures	26 th	Serum Plasma and Serum Protein Estimation
	27 th	Serum Protein- Different Methods	27 th	Serum Plasma and Serum Protein

		of Estimation including Principles and Procedures		Estimation
10 th	28 th	Serum Protein-Reference Value and Clinical Importance	28 TH	Serum Uric Acid Estimation
	29 th	Revision	29 th	Serum Uric Acid Estimation
	30 th	Revision and Test	30 th	Estimation of Electrolyte level of Sodium , Potassium and Chloride by Colorimetric Method
11 th	31 st	Electrolytes and Trace elements-Introduction	31 st	Estimation of Electrolyte level of Sodium , Potassium and Chloride by Colorimetric Method
	32 nd	Electrolytes and Trace elements-Principle and Procedure of Estimation of Sodium, Potassium, Chloride	32 nd	Estimation of Electrolyte level of Sodium , Potassium and Chloride by Colorimetric Method
	33 rd	Electrolytes and Trace elements-Principle and Procedure of Estimation of Sodium, Potassium, Chloride	33 rd	Estimation of Electrolyte level of Sodium , Potassium and Chloride by Colorimetric Method
12 th	34 th	Electrolytes and Trace elements-Reference Values		
	35 th	Electrolytes and Trace elements-Clinical Importance		
	36 th	Revision		
13 th	37 th	Uric Acid-		

		Introduction		
	38 th	Uric Acid- Principle and Procedures of various Estimation Methods		
	39 th	Uric Acid- Principle and Procedures of various Estimation Methods		
14 th	40 th	Uric Acid- Reference values and Clinical Significance		
	41 st	Quality Assurance in Biochemistry as per National Standard- Introduction		
	42 nd	Quality Assurance in Biochemistry as per National Standard- Internal Quality Assurance		
15 th	43 rd	Quality Assurance in Biochemistry as per National Standard- External Quality Assurance		
	44 th	Revision		
	45 th	Revision		


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