

S.D.College of Pharmacy (245)
Janaula, Pataudi (Gurugram)
Lesson Plan

Name of the Faculty : Govindram
Discipline : Pharmacy
Year : 1st year
Subject : Biochemistry and Clinical Pathology
Lesson plan duration : weeks (6th august .2018 to April. 2018)
Work load : Theory -Lecture 02hours / week, Practical- 02 hours /week

Week	Theory			Practical		
	Lecture Day	Topic (including assignment / test)	Covered Date	Practical Day	Topic	Covered Date
1.	1	Introduction to biochemistry .definition of biochemistry. Role of biochemistry			Introduction of Various parantrol route of administration	
	2	Introduction to biochemistry. Brief chemistry and role of proteins,				
2.		Introduction to biochemistry. Classification of protein			Detection and identification of carbohydrates	
		Introduction to biochemistry. Classification of protein				
3.		Introduction to biochemistry. Identification test for Protein			Detection and identification of carbohydrates	
		Introduction to biochemistry. Disease related to Protein				
4.		Introduction to biochemistry. Brief chemistry and role of Amino Acid			File check and viva	
		Introduction to biochemistry. Classification of Amino Acid				
5.		Introduction to biochemistry. Identification test for Amino Acid			Detection and identification of carbohydrates	
		Introduction to biochemistry. Disease related to Amino Acid				

6.	Introduction to biochemistry. Introduction and role of Polypeptide				
	Test			Detection and identification of carbohydrates	
7.	Carbohydrates: Brief chemistry and role of carbohydrates,			Detection and identification of carbohydrates	
	Carbohydrates: Classification of Carbohydrate				
8.	Carbohydrates: Classification of Carbohydrate			File check and viva	
	Carbohydrates: disease related to Carbohydrate Metabolism				
9.	1st Sessional				
10	Carbohydrates: Identification test for carbohydrate			Detection and identification of protein	
	Carbohydrates: test				
11	Lipids: Brief chemistry and role of lipids,			Detection and identification of casein	
	Lipids: classification of lipid				
12	Lipids: classification lipid			Detection and identification of albumin	
	Lipids : identification test for lipid				
13	Lipids: Identification test for Lipid			File check and viva	
	Lipids: Disease related to Lipid metabolism				
14	Test			Detection and Identification test for geletin	
	Assignment on lipid identification test				
15	Vitamins: Brief chemistry and role of vitamins and coenzymes.			To study about the physical	

		Vitamins: Brief chemistry and role of vitamins and coenzymes.			property of urine	
16		Vitamins: Role of minerals in life process			To carry out the qualitative test for inorganic constituent of normal urine	
		Vitamins: Role of minerals in life process				
17		Vitamins: Role of Water in life process			File check and viva	
		Vitamins: Role of water in life process				
18		Vitamins : test			To carry out the qualitative test for inorganic constituent of abnormal urine	
		Vitamins : Revision of Vitamin				
19		Enzymes: Brief concept of enzymatic action.			File check and viva	
		Enzymes: Brief concept of enzymatic action.				
20		2nd Sessional				
21		Winter Vacation				
22		Winter Vacation				
23		Enzymes: factor affecting enzymatic action			Examination Of faeces	
		Enzymes: factor affecting enzymatic action				
24		Test			Examination of sputum	
		Assignment on identification test for Protein				
25		Introduction to pathology of blood			File check and viva	
		Introduction to pathology of blood				
26		Introduction to pathology of urine			Detection and identification test for lipid	
		Introduction to pathology of urine				
27		Lymphocytes and platelets			Detection and identification test for fatty acid	
		Lymphocytes and platelets, their role in				

		health and disease				
28		Lymphocytes and platelets, their role in health and disease			File check and viva	
		Erythrocytes-Abnormal cells and their significance.				
29		Erythrocytes-Abnormal cells and their significance.			Study of calorimeter	
		Abnormal constituents of urine and their significance in diseases.				
30		Abnormal constituents of urine and their significance in diseases.			File check and viva	
		Revision				
31		Revision			Revision	
		Revision				
32		3rd Sessional				
33		Revision			Revision	
		Revision				
34		Revision			Revision	
		Revision				