

Curriculum plan (Odd Semester 2025-23)

Teacher Name: Dr. K. Vandana Rani

Paper name: LS III sem : Biochemistry of metabolic process

Class type: Practicals (Group:G3+G4)

Paper shared with: Mrs. Shikha Rani

Unit to be taken	Allocated lectures	Month wise schedule to be followed (G1+G2+G3)	Tests/Assignments/ Revision/ Presentations etc
1. Estimation of total protein in given solutions by Lowry's method	4	5.08.25	
2i. Qualitative tests of functional groups in carbohydrates	4	12.08.25	
2 ii. Qualitative tests of functional groups in proteins	4	19.08.25	Presentation
2iii. Qualitative tests of functional groups in lipids.	4	26.08.25	
3. Effect of pH, temperature and inhibitors on the action of Salivary amylase.	4	02.09.25/09.09.25 /23.09.25	
4. Study of biological oxidation (SDH) [goat liver]	4	30.09.25	
5i.Detection of SGOTGPT or in serum/ tissue	4	07.10.25	
5ii. To perform the Acid and Alkaline phosphatase assay from serum/ tissue	4	14.10.25	
6. Identification of normal and abnormal Constituents of Urine	4	21.10.25	
7. To Study the enzymatic activity of Lipase	4	28.10.25	
8.Dry Lab: To trace the labelled C atoms of Acetyl-CoA till they evolve as CO ₂ in the TCA cycle	4	4.11.25	
Repeat		11.11.25/13.12.25	Revision/ File Evaluation / MOC

Name of Teacher: Dr. K. Vandana Rani

Signature