

Curriculum plan (Odd Semester 2025)

Teacher Name: **Mr. Vikash yadav**

Paper name: **Biochemistry: Metabolic Processes Zoo-DSC-8**

Class type: II year(III sem) Theory

Unit to be taken	Allocated lectures	Month wise schedule to be followed	Tests/Assignments/ Revision/Presentations etc
UNIT- 1: Carbohydrate Metabolism	9	August	Theory
UNIT- 2: Lipid Metabolism	7	September	Theory
UNIT- 3: Protein Metabolism	4	September	Theory
UNIT- 4: Oxidative Phosphorylation	7	October	Theory, Assignment/test
UNIT- 5: Liver as a Major Metabolic Hub	3	November	Theory

Name of teacher

Signature

Curriculum plan (Odd Semester 2025)

Teacher Name: **Mr. Vikash yadav**

Paper name: **Biochemistry: Metabolic Processes Zoo-DSC-8**

Class type: II year(III sem) Practical

Paper share with :- Dr. Shanuja Beri

Date	Practical
August2025	Estimation of total protein in given solutions by Lowry's method
August2025	Detection of SGOT and SGPT in serum/ tissue.
September2025	Estimation of GST and GSH in serum/ tissue.
September2025	To study the enzymatic activity of Lipase
September2025	Study of biological oxidation (SDH) [goat liver].
October2025	To perform the Acid and Alkaline phosphatase assay from serum/ tissue.
November 2025	Dry Lab: To trace the labelled 'C' atoms of Acetyl-CoA till they evolve as CO ₂ in the TCA cycle through models.
November	REVISION and MOCK PRACTICAL TEST

Name of teacher

Signature