

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations January 2025
(Biochemistry)**

Paper II - Enzymology, Metabolism and Inborn Errors of Metabolism

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(10x10=100)

1. Discuss in detail the factors affecting enzyme activity.
2. Describe the complexes of electron transport chain.
3. Discuss in detail the metabolism of glycogen along with its regulation.
4. Discuss the formation and excretion of bilirubin in our body.
5. Classify lipoproteins. Discuss the causes of fatty liver. Add a note on lipotropic factors.
6. List the special compounds formed from tyrosine. Discuss in detail the formation of any two of them.
7. Explain beta oxidation of palmitic acid. Add a note on its energetics and regulation.
8. Discuss the tests of fetal lung maturity.
9. Explain biochemical analysis of pleural fluid.
10. Nitrogen balance.
