

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
August 2024
(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 enzyme profile in liver diseases
2. Describe the formation of glycogen
3. Describe the different complexes of electron transport chain. Add a note on its inhibitors
4. Discuss the synthesis of heme and its regulation
5. Describe the synthesis of pyrimidine nucleotide
6. Discuss the steps of beta oxidation of fatty acids
7. Explain the inborn errors of fructose metabolism
8. Discuss the reactions of tricarboxylic acid cycle
9. Describe the tests to assess fetal lung maturity
10. Discuss the metabolism of glycine
