

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations October 2021
(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. Explain different types of enzyme inhibitions.
2. Explain different complexes of electron transport chain.
3. Discuss about glycogen metabolism.
4. What are the steps involved in synthesis of palmitic acid.
5. Explain the degradation of purine nucleotides. Add a note on gout.
6. Explain the steps of heme catabolism.
7. Explain inborn errors of phenyl alanine metabolism
8. What are different screening tests for diagnosing Down syndrome.
9. Cerebrospinal fluid (CSF) analysis.
10. Write about factors involved in blood glucose regulation.
