

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations December 2020
(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. Classify enzymes according to IUBMB classification. Add a note on different factors affecting enzyme activity.
2. Explain in detail, formation of glucose from lactate.
3. How is ammonia detoxified in our body.
4. Biologically important compounds synthesized from phenylalanine.
5. Describe LDL metabolism.
6. Explain steps and regulation of heme synthesis.
7. Explain Glycogen storage diseases.
8. What are the compounds excreted through urine in abnormal conditions.
9. Peritoneal fluid analysis.
10. What are the different methods for detecting genetic disorders.
