

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations January 2023  
(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 giving suitable examples
2. Describe urea cycle. Add a note on its regulation
3. Describe the steps involved in gluconeogenesis from lactate
4. Describe the formation and utilization of ketone bodies
5. Explain inborn errors of phenyl alanine metabolism
6. Describe fatty liver and lipotropic factors
7. Describe the degradation of purine nucleotides. Add a note on gout and its management
8. Discuss the factors involved in the regulation of blood glucose
9. Explain cerebrospinal fluid analysis
10. Describe porphyrias

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