

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
December 2019
(Biochemistry)**

Paper II - Enzymology, Metabolism and Inborn Errors of Metabolism

Time: 3 hrs.

Max. marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(10x10=100)

1. Discuss the kinetic properties of enzymes.
2. Explain how blood glucose is regulated in our body.
3. Discuss the transamination and deamination reactions.
4. Give an outline of synthesis of bile acids from cholesterol.
5. Define and classify porphyrias. Describe congenital erythropoietic porphyria.
6. Describe the analysis of abnormal constituents of urine.
7. Give an outline of purine degradation.
8. Describe the synthesis of specialized compounds from glycine.
9. Describe briefly the TCA cycle with its amphibolic role.
10. Discuss the de novo synthesis of fatty acids.
