

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Examinations November 2018
(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. Elaborate on enzyme inhibition.
2. Discuss the metabolism of ketone bodies. What are the symptoms of ketoacidosis
3. Describe the formation of specialized compounds from tyrosine.
4. Define and classify phospholipids. Discuss their functions.
5. Describe the glycolytic pathway and its regulation. Add a note on energetics.
6. Explain the biosynthesis of catecholamines.
7. Discuss the inherited disorders of purine metabolism. Add a note on salvage pathway.
8. Give an outline of screening of inborn errors of metabolism. Add a note on phenyl ketonuria.
9. Discuss the purpose, procedure and clinical importance of peritoneal fluid analysis.
10. Describe heme synthesis. Add a note on urobilinogen.
