

QP Code: 102383

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
August 2022  
(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. Describe the different types of enzyme inhibition with suitable examples
2. Discuss the metabolism of phenyl alanine and mention the various inborn errors associated with each step
3. Describe fatty liver and lipotropic factors
4. Discuss glycogenolysis in liver
5. Describe the biosynthesis of purines
6. Discuss the catabolism of heme
7. Biochemical analysis of cerebrospinal fluid
8. Discuss enzyme profile in myocardial infarction
9. Describe screening tests for diagnosis of Down's syndrome
10. Gout

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