

Roll No.

Total No. of Pages : 01

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M.Sc. MLS (Biochemistry) (2018 Batch) (Sem.-1)

FUNDAMENTALS OF ENZYMOLOGY

Subject Code : MMLT-103-18

M.Code : 75411

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries FIFTEEN marks.

- 1) Give classification and characteristics of enzymes.
- 2) Describe the mechanism of enzyme action. Discuss how activity of the enzyme is regulated.
- 3) Give the derivation of Michaelis-Menten equation.
- 4) Discuss various biotechnological applications of enzymes.
- 5) What are iso-enzymes? Give the diagnostic importance of LDH.
- 6) Give the principle, normal value and clinical value of estimation of SGOT.
- 7) Explain competitive, uncompetitive and non-competitive enzyme inhibitions.
- 8) Write short notes on :
 - a) Acid-base catalysis
 - b) Allosteric enzymes

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.