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Total No. of Pages : 01

Total No. of Questions : 08

M.Sc. MLS (Biochemistry) (Sem.-1)
FUNDAMENTALS OF ENZYMOLOGY

Subject Code : MMLT-103-18

M.Code : 75411

Date of Examination : 18-06-2025

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. Write a note on Michaelis-Menton equation. Give the calculation of K_m and V_{max} values.
2. Explain various applications of enzymes in medicine and industry.
3. Give the principle, normal value and clinical value of estimation of SGPT.
4. Describe in detail the process of enzyme inhibition. Discuss its types with some suitable example.
5. What are enzymes? Classify enzymes. Discuss the lock and key arrangement of enzymes. Give their various properties.
6. Describe the use of enzymes as thrombolytic agents, anti-inflammatory agents and in digestive aids.
7. Explain induced fit hypothesis of enzyme action. How enzyme action is regulated?
8. What is Activation energy? Discuss the role of various factors on the rate of enzyme catalyzed reaction.

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.