

ANNAI VIOLET ARTS AND SCIENCE COLLEGE
DEPARTMENT OF BIOCHEMISTRY

CONTINUOUS INTERNAL ASSESSMENT - I

Subject: ENZYMES

Class : III B.Sc., Biochemistry

Date: 30.08.22-FN

Max. Marks : 50

PART A ($5 \times 2 = 10$ Marks)

Answer any FIVE questions

1. Define enzymes.
2. What is called katal?
3. Define enzyme specificity.
4. What is called active site?
5. Define allosteric enzyme.
6. Illustrate k_m value?
7. Define enzyme inhibition.

PART B – ($2 \times 5 = 10$ Marks)

Answer any TWO questions

8. Discuss the nomenclature of enzymes?
9. Illustrate the mechanism of ES complex with the help of lock and key hypothesis?
10. Discuss the factors affecting enzyme activity?

PART C – ($3 \times 10 = 30$ Marks)

Answer ALL questions

11. Explain the classification of enzymes with suitable examples?
12. Derive the Michaelis-Menten equation and its significance?
13. Mention the isozymic pattern and clinical significance of LDH and CK.

Prepared by
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