

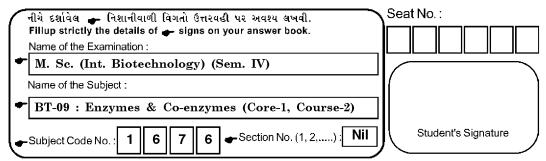
DMM-1676

M. Sc. (Int. Biotechnology) (Sem. IV) Examination March / April - 2016

BT-09 : Enzymes & Co-enzymes (Core-1, Course-2)

Time: Hours] [Total Marks: 50

Instruction:



1 Give answers to any four:

8

- (1) Define: heterotrophic effect.
- (2) What is group specificity? Give one example of it.
- (3) $E+S \rightarrow ES+I \rightarrow ESI$, which type of inhibition follow this equation ?
- (4) What is IUBM?
- (5) Alcohol dehydrogenase requires which coenzymes for reaction ?
- 2 Attempt any two:

14

- (1) Classification of enzymes.
- (2) Models explain the mechanism of enzyme action.
- (3) Reaction catalysed by enzyme using TPP as co-enzyme.

3	Explain in detail any two:		14
	(1)	M-M equation with graphs.	
	(2)	Different types of Enzyme inhibition	
	(3)	Mechanism of Bi-substrate reaction.	
4	Write note on any two		14
	(1)	Role of NAD and NADP in metabolism.	
	(2)	Mechanism of enzyme regulation.	
	(3)	Kinetics of allosteric enzymes.	