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 :
Fill up strictly the details of signs on your answer book.
Name of the Examination :
M. Sc. (Int. Biotechnology) (Sem. IV)
Name of the Subject :
BT-09 : Enzymes & Co-enzymes (Core-1, Course-2)

Subject Code No. : 1 6 7 8 Section No. (1, 2, ... ) Nil

Student's Signature

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:

(1) M-M equation with graphs.

(2) Different types of Enzyme inhibition

(3) Mechanism of Bi-substrate reaction.

4 Write note on any two

(1) Role of NAD and NADP in metabolism.

(2) Mechanism of enzyme regulation.

(3) Kinetics of allosteric enzymes.