Roll No. | | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 09

M.Sc.(BT) (2016 to 2017) (Sem.–2)

ENZYME TECHNOLOGY

Subject Code : MSBT-108

M.Code : 15013

Time : 3 Hrs. **Max. Marks : 60**

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Define :

a) Presteady state kinetics

b) Coenzyme

c) Abzymes

d) Oxidoreductases

e) Specific activity

f) Km

g) Holozyme

h) Transition state

i) Metalloenzyme

j) Stereospecificity

SECTION-B

2. Discuss Properties of enzymes.

3. Write about Active site.

4. What is the effect of salt and organic solvent on enzyme activity?

5. Write a note on Ribozymes.

6. Write a note on Immobilized enzymes.

SECTION-C

7. Discuss Lineweaverburk equation to study steady state kinetics.

8. What are the evidences for enzyme substrate complex formation? Discuss.

9. Write about industrial applications of 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.