

M.Sc.(Microbiology) (NEP Pattern) Semester-I
NEP-72 / 01MSCMB02 - Enzymology and Techniques

P. Pages : 1

Time : Three Hours



GUG/W/24/15126

Max. Marks : 80

- 1.** Describe the Kinetics of enzyme inhibition. **16**
OR
- a) Explain the classification of enzyme. **8**
b) Write a note on evaluation of kinetic parameter. **8**
- 2.** Explain the active site determination and mechanism of ribonuclease. **16**
OR
- a) Write a note on covalent catalysis. **8**
b) Describe the proximity and orientation effects. **8**
- 3.** Describe the Kinetics analysis of allosteric enzymes. **16**
OR
- a) Describe feed-back inhibition. **8**
b) Explain the multienzyme complex. **8**
- 4.** Describe the enzyme biosensors. **16**
OR
- a) Describe the enzyme purification and fractionation. **8**
b) Write a short note on sequential model. **8**
- 5.** Describe the followings.
- a) Michaelis-Menten equation. **4**
b) Metal ion cofactor. **4**
c) Inducible enzyme. **4**
d) Protein engineering. **4**
