

II B.Tech I Semester(RR) Supplementary Examinations, May/June 2010
BIOORGANIC CHEMISTRY
(Bio-Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Discuss in detail about polymolecular level of complexity. [16]
2. Discuss in detail about protein synthesis. [16]
3. (a) Define mutation. [5]
(b) What is chemical mutation. [5]
(c) Explain transition state analogue of chemical mutation. [6]
4. (a) How does binding energy contribute to reaction specificity and catalysis? [4+4]
(b) Methods to test the purity of the enzyme. [8]
5. Describe the hydrolysis of amides and peptides. [16]
6. Explain in detail how electron carrier plays an important role in photosynthesis. [16]
7. Discuss in detail that the presence of Ni(II) in the cyclodextrin rate of hydrolysis increases. [16]
8. (a) What do you mean by enzymes? [8]
(b) Explain about Androstane 3β , 11β -diamino- 17β (4)-imidazole. [8]
