

II B.Tech I Semester Supplementary Examinations, May 2005

**BIO-CHEMISTRY
(Bio-Medical Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Explain in detail about the cell organelles and their function.
2. What are co enzymes? Explain the role of coenzymes in various bio chemical reactions.
3. Explain the process of glycogenolysis.
4. Discuss the formation and metabolism of ketone bodies.
5. Discuss the principles and different methods of chromatography.
6. Write about the abnormal constituents of urine and its significance in pathological situations.
7. What are plasma proteins? Discuss about the site of formation and functions of plasma proteins.
8. Write notes on:
 - (a) Active transport, passive diffusion and facilitated diffusion.
 - (b) Applications of radio isotopes.
