

B.Sc. MEDICAL LABORATORY TECHNOLOGY**FIRST YEAR****PAPER II – BASIC CHEMISTRY***Q.P. Code: 725002***Time: Three Hours****Maximum: 100 Marks****Answer all questions****I. Elaborate on:****(3 x 10 = 30)**

1. Write an account of classification of lipids with suitable example.
2. Describe the structure of DNA.
3. Write an account of various factors affecting enzyme action.

II. Write notes on:**(8 x 5 = 40)**

1. Biological significances of vitamins.
2. Coenzymes.
3. Write note on Vitamin C.
4. Protein estimation by Biuret method.
5. Chargaff's rule.
6. Function and classification of proteins.
7. Cholesterol.
8. Ozasone formation.

III. Short answers on:**(10 x 3 = 30)**

1. Glycoprotein.
2. Epimers.
3. Chromatography.
4. Iodine number.
5. Purines.
6. Phospholipids.
7. Glycogenic amino acids.
8. Denaturation.
9. RNA.
10. Oxidoreductase.
