

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. Chemistry of carbohydrate.
2. Structure of nucleic acids.
3. Enzymes.

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

1. Titration using indicators.
2. Biological importance of proteins.
3. Classifications of amino acids.
4. Biological importance of steroids.
5. Lipids.
6. Partition Chromatography.
7. Colour reactions of Carbohydrates.
8. Cholesterol.

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

1. pH.
2. Lipoproteins.
3. Enzyme Inhibition.
4. Oils and Fats.
5. Calorific Value.
6. Dietary carbohydrates.
7. Mal nutrition.
8. Electrophoresis.
9. BCG methods.
10. Chemical tests for phosphate.
