

[AHS 0321]

MARCH 2021

Sub. Code: 5002

(AUGUST 2020 EXAM SESSION)

B.Sc. MEDICAL LABORATORY TECHNOLOGY**FIRST YEAR (From 2010-2011 onwards)****PAPER II – BASIC CHEMISTRY***Q.P. Code : 725002***Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Discuss about the classification of proteins based on their shape, chemical nature and biological function.
2. Define Enzymes. Give an account on clinical importance of enzymes.
3. Describe any three basic analytical techniques.

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

1. Lipoproteins.
2. Homopolysaccharides.
3. Protein energy malnutrition.
4. Structure of DNA.
5. General properties of lipids.
6. Trace elements.
7. Dissociation of water
8. Biological importance of phospholipids and steroids.

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

1. Name any four reducing sugars.
2. Heparin and its use.
3. Deficiency disorder of Vitamin
4. Nucleoprotein.
5. Molarity and Molality.
6. Chemical tests for phosphate.
7. Acids and bases.
8. Fibrin
9. Ribosomes.
10. Buffer systems of blood and their uses.
