

August 2010

[KX 872]

Sub. Code: 5002

B.Sc. (Medical Laboratory Technology) DEGREE EXAMINATION

**FIRST YEAR
Paper II – BASIC CHEMISTRY**

Q.P. Code : 725002

Time : Three hours

Maximum : 100 marks

Answer All questions.

I. Essays :

(2X15=30)

1. Discuss general and physical characteristics of proteins. Write any two chemical properties of proteins.
2. Describe the biological importance of enzymes and coenzymes.

II. Write Short Notes on :

(10X 5=50)

1. Glycogen.
2. Classification of lipids.
3. Importance of carbohydrates.
4. Iodine value.
5. Nucleic acids.
6. Peptides.
7. pH and its importance in physiology.
8. Buffers.
9. Steroids.
10. Fructose.

III. Short Answer Questions:

(10X2 = 20)

1. Composition of cell membrane.
2. Ribosomes.
3. Millon's test reagent.
4. Power house of cell.
5. Essential amino acids.
6. Storage of glucose in cells.
7. Ozone reaction.
8. Erichrome Black - T
9. Muta rotation.
10. Zwitter Ion.
