[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.
