

APRIL 2003

[KI 872]

Sub. Code : 5002

**B.Sc. (Medical Laboratory Technology) DEGREE
EXAMINATION.**

First Year

Paper II — BASIC CHEMISTRY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the classification of proteins and their important properties. Discuss the biological importance of proteins. (25)
2. (a) What is zwitter ion? Give its significance. (2)
(b) What are essential fatty acids? Give their importance in biological system. (3)
(c) What is pH of a solution? What is the pH of blood? Write a note on the maintenance of pH of blood. (10)
- (d) Discuss the biological importance of carbohydrates. (10)
3. Write short notes on : (5 × 10 = 50)
 - (a) Mitochondria.
 - (b) Estimation of cholesterol.
 - (c) Biological importance of steroids.
 - (d) Co-enzymes.
 - (e) Methods of Isolation of organelles.