

**NOVEMBER 2003**

**[KJ 872]**

**Sub. Code : 5002**

**SECTION B — (10 × 5 = 50 marks)**

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

First Year

Paper II — BASIC CHEMISTRY

Time : Three hours      Maximum : 100 marks

Two hours and forty minutes

for Sec. A & Sec. B      Sec. A & Sec. B : 80 marks

Section C : Twenty minutes      Section C : 20 marks

Answer Sections A and B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

Answer **ALL** questions.

**SECTION A — (2 × 15 = 30 marks)**

1. What are enzymes? How are they classified?  
Discuss the factors influencing enzyme action. (15)
2. Explain the biological importance of Lecithin and cholesterol. (15)

3. Write short notes on :

- (a) Endoplasmic reticulum.
- (b) Osasone formation of glucose.
- (c) Classification of carbohydrates.
- (d) Biological importance of proteins.
- (e) Saponification of oils and fats.
- (f) Co-enzymes.
- (g) Maintenance of pH of blood.
- (h) Various types of amino acids.
- (i) Ribonucleic acids.
- (j) Polypeptides.