

AUGUST 2007

[KR 872]

Sub. Code : 5002

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

First Year

Paper II — BASIC CHEMISTRY

Time : Three hours Maximum : 100 marks

**Descriptive : Two hours and Descriptive : 80 marks
forty minutes**

Objective : Twenty minutes Objective : 20 marks

Answer ALL questions.

I. Essay :

(1) What are nucleic acids? Explain. Write any five uses of proteins. What are the factors which influence enzyme activity? (5 + 5 + 5 = 15)

(2) How are aminoacids classified? Write a note on coenzymes. Define nucleotides and nucleosides. (5 + 5 + 5 = 15)

II. Write Short Notes on: (10 × 5 = 50)

(a) Aliphatic compounds of physiological importance

(b) Different kinds of R.N.A.

- (c) Mutarotation
- (d) Fibrous proteins
- (e) Iodine number
- (f) Dissociation of weak acids
- (g) Henderson equation
- (h) Classification of lipids
- (i) Classification of enzymes
- (j) Uses of ATP.