

APRIL 2000

[KB 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 classification of carbohydrates with examples. Discuss biological importance of carbohydrates. How is blood glucose estimated by O-toluidine method? (25)
 2. (a) What is buffer solution and buffer action? (2)
(b) Write a brief note on : Haemoglobin buffers. (3)
(c) Discuss the classification of amino acids with suitable examples. (10)
(d) How is serum protein estimated? Mention a colour reaction for protein. (10)
 3. Write short notes on : (5 × 10 = 50)
(a) Cell organelle
(b) Aliphatic compounds of physiological importance
(c) Factors affecting enzyme reactions
(d) Structure of DNA
(e) Phosphoglycerides.
-