

APRIL 1996

[AKS72]

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 carbohydrates with suitable examples and their important properties. How will you test a carbohydrate in lab? Discuss the biological importance of carbohydrates. (25)
 2. (a) Define (i) pH of a solution (ii) Buffer solution. (4)
(b) Mention any two buffer solutions present in our body. (2)
(c) Discuss buffer mechanism and its role in our body. (9)
(d) How is pH of a solution determined. (10)
 3. Write short notes on : (5 x 10 = 50)
(a) Nucleic acids and their structure.
(b) Aliphatic compounds of physiological importance.
(c) Phospholipids and their biological importance.
(d) Mitochondria and its role in our body.
(e) Cholesterol.
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