

Roll No.

Total Pages : 3

13011/N**K-17/2111****BIOCHEMISTRY-I**

Paper-1101T

Semester-I

Time Allowed : 3 Hours] [Maximum Marks : 54

Note : The candidates are required to attempt **two** questions each from Sections A and B carrying 8 marks each and the entire Section C consisting of 11 short answer type questions carrying 2 marks each.

SECTION—A

1. Differentiate the Hydrophobic and Hydrophilic interactions. 8

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2. Define the pH. Why does the pH scale range from 0 – 14 ? 8
3. What is Carbohydrate? Explain the classification of Carbohydrates. 8
4. Define the Glycolysis. What are the main steps of Glycolysis? 8

SECTION—B

5. Define the Lipids. Describe the Clinical importance of Lipids. 8
6. What do you mean by Fatty acid synthesis? 8
7. What happens to the metabolism during Fasting? 8
8. Define the Toxicity. Enlist toxic substances in Foodstuffs. 8

SECTION—C

9. Write short notes on the following : 11×2=22
(i) Define the Gluconeogenesis.

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- (ii) What is Glycogen?
- (iii) Define the Buffer with example.
- (iv) What do you mean by ATP.
- (v) Define the Corrosive.
- (vi) Enlist Fat soluble vitamins.
- (vii) Differentiate between Pesticides and Insecticides.
- (viii) What happens to the body during long Starvation?
- (ix) Define the Co-enzyme.
- (x) Define the Glycogenolysis.
- (xi) Enlist Heavy Metal Poisons.