

Class – B.Sc-BT Sem. II

Subject – Biochemistry-B

Time Allowed : 3 Hours

Maximum Marks : 40

SECTION-A

Attempt all Questions.

1. What are proteins?
2. What are peptides?
3. What are phospholipids?
4. Structure of cholesterol.
5. What are sesquiterpenes?
6. Structure of analine.
7. Deficiency disease caused by vitamin-A.
8. What are glycoproteins?

1 × 8 = 8

SECTION-B

Attempt any five questions.

1. Explain the stereochemistry of peptide chain.
2. What are the functions of Lipids?
3. What is Glutathione? Give its structure and uses.
4. What are the functions of Proteins?
5. What is the importance of peptides?
6. How do vitamins B₁, B₂, & B₅ act as co-enzymes?
7. Give the structure of Triglyceride, glutamic acid.
8. Explain the structure of Myoglobin & Haemoglobin.

5 × 4 = 20

1

SECTION-C

Attempt any 2 Questions.

1. What are various types of bonds necessary for stabilization of Proteins?
2. Give the classification of Proteins.
3. Explain & classify Lipids.
4. Draw the structures of following :
 - (a) Citrulline
 - (b) Mixed triglyceride
 - (c) Vitamin B₁₂.

2 × 6 = 12
