

**B.Sc. (FNS) (NEP) Sem.-1 Examination
DSC-M-113T**

Fundamental of Nutritional Biochemistry

Time : 1-00 Hour]

February-2025

[Max. Marks : 25

Question 1 Write the following

- (i) What are monosaccharides? Explain with examples. (5 Marks)
(ii) What are storage lipids? Explain with examples. (5 Marks)

OR

- (i) What are polysaccharides? Explain with examples. (5 Marks)
(ii) Write a note on nutritional importance of lipid molecules. (5 Marks)

Question 2 Write the following

- (i) Explain the importance of protein in nutrition. (5 Marks)
(ii) Write in details about Central Dogma. (5 Marks)

OR

- (i) Write in details about essential amino acids and non-essential amino acids. (5 Marks)
(ii) Write a note on functions of DNA and RNA (5 Marks)

Question 3 Attempt any five out of seven (5 Marks)

1. Give examples of disaccharides.
2. Give examples of monosaccharides.
3. What are homo-polysaccharides? Give examples.
4. What are the two main steps involved in Central Dogma
5. Give a difference between prokaryotic and Eukaryotic DNA.
6. Who proposed the double helix structure of DNA.
7. Write the full form of tRNA.