



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTION-70(CLASS-12)

TOPIC- BIOMOLECULES (AMINO ACID)



SUBJECT – CHEMISTRY

DURATION – 30 mins

F.M. - 15

DATE – 01.02.21

1. Which among the following is not polymeric?

- (a) Carbohydrates
- (b) Nucleic acids
- (c) Proteins
- (d) Lipids

Answer:(d) Lipids

2. The simplest amino acid is

- (a) Glycine
- (b) Alanine
- (c) Asparagine
- (d) Tyrosine

Answer:(a) Glycine

3. Amino acids are mostly synthesised from

- (a) fatty acids
- (b) mineral salts
- (c) α -ketoglutaric acid
- (d) volatile acids

Answer:(c) α -ketoglutaric acid

4. Amino acids with the aliphatic 'R' group are

- (a) Glycine, alanine, leucine
- (b) Serine, threonine, cysteine
- (c) Lysine, arginine, histidine
- (d) Phenylalanine, tyrosine and tryptophan

Answer:(a) Glycine, alanine, leucine

5. Which of the following amino acids is not necessary to be taken in the diet?

- (a) histidine
- (b) threonine
- (c) serine
- (d) lysine

Answer:(c) serine

6. An amino acid yielding acetyl CoA during catabolism is

- (a) ketogenic
- (b) glucogenic
- (c) essential
- (d) both glucogenic and ketogenic

Answer:(a) ketogenic

7. The first amino acid of any polypeptide chain in eukaryotes is

- (a) valine
- (b) methionine
- (c) glycine
- (d) alanine

Answer:(b) methionine

8. Amino acids with aromatic side chain are

- (a) tryptophan, asparagine, tyrosine
- (b) tryptophan, threonine, tyrosine
- (c) phenylalanine, tryptophan, serine
- (d) phenylalanine, tryptophan, tyrosine

Answer:(d) phenylalanine, tryptophan, tyrosine

9. The naturally occurring proteins consist of

- (a) D-amino acids
- (b) L-amino acids
- (c) both (a) and (b)
- (d) none of these

Answer:(b) L-amino acids

10. Which of the following amino acids has to be supplemented in the diet?

- (a) phenylalanine
- (b) cysteine
- (c) glutamine
- (d) asparagine

Answer:(a) phenylalanine

11. The naturally occurring form of amino acid in proteins

- a) L-amino acids only
- b) D-amino acids only
- c) both L and D amino acids
- d) none of these

Answer:a) L-amino acids only

12. The naturally occurring form of amino acid in proteins

- a) L-amino acids only
- b) D-amino acids only
- c) both L and D amino acids
- d) none of these

Answer:

13. Amino acids with hydroxyl groups are

- a) Serine and Alanine
- b) Alanine and Valine
- c) Serine and Threonine
- d) Valine and Isoleucine

Answer:c) Serine and Threonine

14. Which out of the followings is not a fibrous protein?

- a) Carbonic anhydrase
- b) Collagen
- c) Fibrinogen

d) Keratin

Answer: a) Carbonic anhydrase

15. Which of the following amino acid is sweet in taste?

- a) Glycine
- b) Alanine
- c) Glutamic acid
- d) None of these

Answer: a) Glycine

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