



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORKSHEET-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

**2. The simplest amino acid is**

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

**3. Amino acids are mostly synthesised from**

- (a) fatty acids
- (b) mineral salts
- (c)  $\alpha$ -ketoglutaric acid
- (d) volatile acids

**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

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

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

**6. An amino acid yielding acetyl CoA during catabolism is**

- (a) ketogenic
- (b) glucogenic
- (c) essential

(d) both glucogenic and ketogenic

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

(a) valine

(b) methionine

(c) glycine

(d) alanine

**8. Amino acids with aromatic side chain are**

(a) tryptophan, asparagine, tyrosine

(b) tryptophan, threonine, tyrosine

(c) phenylalanine, tryptophan, serine

(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

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

(a) phenylalanine

(b) cysteine

(c) glutamine

(d) asparagine

**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

**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

**13. Amino acids with hydroxyl groups are**

**a)** Serine and Alanine

**b)** Alanine and Valine

- c) Serine and Threonine
- d) Valine and Isoleucine

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

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

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

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

**PREPARED BY: MR. ARNAB PAUL CHOWDHURY**