

Chapter 1 Biomolecules

1. Some facts about polymerization are
 - (A) reaction of large number of polymer molecules
 - (B) alkenes, alkadienes and their derivatives are used for the formation of chain of polymer
 - (C) dicarboxylic acids and diols undergo polycondensation and form polyesters
 - (D) the process of polymerization involves two steps propagation and contamination

2. The amino acids having R groups with a negative net charge at pH 7.0 are
 - (A) aspartate
 - (B) cysteine
 - (C) glutamate
 - (D) histidine

3. Which of the following are derived lipids?
 - (A) Fatty Acids
 - (B) Steroids
 - (C) Glycerol
 - (D) Oils

4. Which of the following are imino acid?
 - (A) Pipecolic Acid
 - (B) Hydroxyproline
 - (C) Glycine
 - (D) Proline

5. Which of the following properties distinguish difference between reducing sugar and non-reducing sugar?
 - (A) Reducing sugar consists free aldehyde or ketone group
 - (B) Non reducing sugar forms brick-red colour along with the Fehling's test
 - (C) Non reducing sugars includes all polysaccharides but some disaccharides
 - (D) Reducing sugar are carbohydrates that act as reducing agents

6. Which of the following considered as phospholipids?
 - (A) Cephalin
 - (B) Sterol
 - (C) Lecithin
 - (D) Cholesterol

7. Which of the following are TRUE about denaturation?
 - (A) Disruption of hydrogen bonds
 - (B) Disruption of phosphodiester linkage
 - (C) Loss of helical structure of DNA
 - (D) It is resulted as a result of change in pH or increase in temperature

8. Which of the following are present in RNA?
 - (A) AMP
 - (B) GMP
 - (C) CMP
 - (D) TMP

9. The Hydrolytic enzymes present in lysosomes are
(A) Sulfatases
(B) Phosphatases
(C) Phospholipases
(D) Glycosidases
10. Ribonuclease A
(A) also known as RNase A
(B) hydrolyze RNA as well as DNA
(C) formed the covalent links between adjacent ribonucleotide residues
(D) are omnipotent

Answer Key

1. (B), (C)
2. (A), (C)
3. (A), (B), (C)
4. (A), (B), (D)
5. (A), (C), (D)
6. (A), (C)
7. (A), (C), (D)
8. (A), (B), (C)
9. (A), (B), (C), (D)
10. (A), (B), (D)