

Topic :- Biomolecules

- How can you say that glucose is cyclic compound?
a) Glucose undergoes Tollen's reaction
b) Glucose reacts with phenyl hydrazine
c) Glucose fails to react with sodium hydrogen sulphite
d) Glucose reacts with nitric acid
- An unsaturated acid found in natural oils and fats is:
a) Palmitic acid b) Myristic acid c) Linoleic acid d) Lauric acid
- Which of the following elements is responsible for oxidation of water to O₂ in biological processes?
a) Fe b) Mn c) Cu d) Mo
- A tripeptide is composed equally of L-valine, L-tryosine and L-alanine (one molecule of each). How many isomeric tripeptide of this kind may exist?
a) 3 b) 4 c) 6 d) 8
- Which of the following is an example of conjugated protein?
a) Albumin b) Globulin c) Glutelin d) Glycoprotein
- Which of the following is used in our body as a fuel for muscles and nerves and to build and repair body tissue?
a) Cane sugar b) Fructose c) Proteins d) Glucose
- Pick out the one which doesn't belong to the family?
a) Pepsin b) Cellulose c) Ptyalin d) Lipase
- Cellulose, starch and glycogen are the polysaccharides having.....monosaccharide unit:
a) Glucose b) Ribose c) Fructose d) Pentose
- Which one is a test for proteins?
a) Beilstein test b) Biuret test c) Benedict's test d) Molisch test

10. Hydrolysis of oils and fats gives glycerol and long chain fatty acids containing:
a) Even number of carbon atoms
b) Odd number of carbon atoms
c) Both (a) and (b)
d) None of the above
11. Cell membranes are mainly composed of :
a) Phospholipids b) Fats c) Proteins d) Carbohydrates
12. Which one of the following is not present in RNA?
a) Uracil b) Thymine c) Ribose d) Phosphate
13. In blood, the transport of oxygen from lungs to tissues is carried out by:
a) White blood cells(leukocytes)
b) Red blood cells (erythrocytes)
c) Fibrinogen
d) Globulins
14. Glycogen is :
a) A polysaccharide found in both animals and plants
b) A polysaccharide found in plants
c) A polysaccharide found in animals
d) A polysaccharide found in honey
15. Which enzyme hydrolyses triglyceride to fatty acids and glycerol?
a) Amylase b) Maltase c) Lipase d) Pepsin
16. Citrus fruits are an important source of vitamin:
a) B b) C c) D d) K
17. Glucose reacts with acetyl chloride to form penta acetyl glucose, it indicates presence of:
a) Five primary alcoholic groups
b) Five secondary alcoholic groups
c) Aldehyde as well as alcoholic group
d) Five —OH groups
18. Night-blindness may be caused by the deficiency of vitamin
a) A b) B c) D d) C
19. Zwitter ion is formed by
a) Aniline b) Acetanilide c) Benzoic acid d) Glycine

20. In human body enzymes hydrolyse protein into:
- a) A ketonic acid like $\text{CH}_3\text{COCO}_2\text{H}$
 - b) A hydroxy acid like $\text{CH}_3\text{CHOHCO}_2\text{H}$
 - c) Dicarboxylic acid like $\text{HOOC}-\text{CO}_2\text{H}$
 - d) Amino acid like $\text{CH}_2\text{NH}_2\text{CO}_2\text{H}$

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