

1) Which of the following Biomolecules simply refers to as “Staff of life”?

- (a) Lipids
- (b) Proteins
- (c) Vitamins
- (d) Carbohydrates

Sol: (d) Carbohydrates.

2) Which of the following is the simplest form of carbohydrates?

- (a) Carboxyl groups
- (b) Aldehyde and Ketone groups
- (c) Alcohol and Carboxyl groups
- (d) Hydroxyl groups and Hydrogen groups

Sol: (b) Aldehyde and Ketone groups.

3) Which of the following monosaccharides is the majority found in the human body?

- (a) D-type
- (b) L-type
- (c) LD-types
- (d) None of the above

Sol: (a) D-type.

4) Which of the following is the most abundant biomolecule on the earth?

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

Sol: (c) Carbohydrates.

5) Which of the following are the major functions of Carbohydrates?

- (a) Storage
- (b) Structural framework
- (c) Transport Materials
- (d) Both Storage and structural framework

Sol: (d) Both Storage and structural framework.

6) Which of the following is the general formula of Carbohydrates?

- (a) $(C_4H_2O)_n$
- (b) $(C_6H_2O)_n$
- (c) $(CH_2O)_n$
- (d) $(C_2H_2O)_n COOH$

Sol: (c) $(CH_2O)_n$.

7) Which of the following is the smallest carbohydrate – triose?

- (a) Ribose
- (b) Glucose
- (c) Glyceraldehyde
- (d) Dihydroxyacetone

Sol: (c) Glyceraldehyde.

8) Which of the following is a reducing sugar?

- (a) Dihydroxyacetone
- (b) Erythrulose
- (c) Glucose
- (d) All of the above

Sol: (c) Glucose.

9) Which of the following is an example of Epimers?

- (a) Glucose and Ribose
- (b) Glucose and Galactose
- (c) Galactose, Mannose and Glucose
- (d) Glucose, Ribose and Mannose

Sol: (b) Glucose and Galactose

10) Which of the following has reducing properties?

- (a) Mucic acid
- (b) Glucaric acid
- (c) Gluconic acid
- (d) Glucuronic acid

Sol: (d) Glucuronic acid.

11) Molisch test is used for _____.

- (a) Lipids
- (b) Proteins
- (c) Mucoproteins
- (d) Flavoproteins

Sol: (c) Mucoproteins.

12) What is Turanose?

- (a) 7-methyl sugar
- (b) A deoxy sugars
- (c) Non reducing disaccharide
- (d) Reducing disaccharides of glucose and fructose

Sol: (d) Reducing disaccharides of glucose and fructose

13) Which of the following does not have sulphuric acid groups?

- (a) Heparin
- (b) Kerato sulfate
- (c) Hyaluronic acid
- (d) Chondroitin sulfate

Sol: (c) Hyaluronic acid.

14) Digitonin is a _____.

- (a) Lipid
- (b) Protein
- (c) Glycoside
- (d) Alkaloid

Sol: (c) Glycoside.

15) Which of the following is the simplest carbohydrate?

- (a) Gulose
- (b) Glucose
- (c) Dihydroxyacetone
- (d) Glyceraldehyde

Sol: (d) Glyceraldehyde.