

**LALBABA COLLEGE**  
**CHEMISTRY – GENERAL**  
**INTERNAL ASSESSMENT**  
**SEM (V) SEC A – 2021**  
**FULL MARKS – 10**  
**TIME – HALF HRS**

**ANSWER ANY TEN QUESTIONS WITH TICK (✓) MARK**

**NAME:**

**ROLL NO.**

**REGISTRATION NO.**

1. Which of the following is the most abundant biomolecule on the earth?
  - (a) Lipids
  - (b) Proteins
  - (c) Carbohydrates
  - (d) Nucleic acids
  
2. 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
  
3. 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
  
4. Which of the following are the major functions of Carbohydrates?
  - (a) Storage
  - (b) Structural framework
  - (c) Transport Materials
  - (d) Both Storage and structural framework

5. Which of the following is an aldotriose?

- (a) Dihydroxyacetone
- (b) Glyceraldehyde
- (c) Ribulose
- (d) Erythrose

6. Which of the following is the smallest carbohydrate – triose?

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

7. Which of the following is a reducing sugar?

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

8. 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

9. Which of the following has reducing properties?

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

10. Molisch test is used for

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

11. What is Turanose?

- (a) 7-methyl sugar
- (b) A deoxy sugars
- (c) Non reducing disaccharide

(d) Reducing disaccharides of glucose and fructose

12. Which of the following does not have sulphuric acid groups?

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

13. Digitonin is a

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

14. The reserve food material of green algae is

- (a) Laminarin
- (b) Chrysolaminarin
- (c) Floridian starch
- (d) Starch

15. 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)  $(C_2H_2O)_n COOH$