



Scientific team

Molecular biology quiz 1 -hayat batch-Dr.Ahmad salem

1. All of the following are aldoses EXCEPT:

- A. Glyceraldehyde
- B. Mannose
- C. Sedoheptulose
- D. glucose

2. Fructose contains how many asymmetric carbon atoms?

- A. 1
- B. 2
- C. 3
- D. 4

3. Which of the following is the main sugar of semen?

- A. Glucose
- B. Galactose
- C. Mannose
- D. Levulose

4. Normal fasting glucose level in blood is?

- A. 70-110 mg/dl
- B. 70-100 mg/dl
- C. 60-110 mg/dl
- D. 60-100 mg/dl
- E. 80-100 mg/dl

5. Normal post prandial blood glucose level in blood is?

- A. up to 120 mg/dL
- B. up to 130 mg/dL
- C. up to 140 mg/dL
- D. up to 150 mg/dL
- E. up to 160 mg/dL

6. Which of the following monosaccharides has 5 carbon atoms, the penultimate OH group is to the right and results in rotation of polarized light towards the left?

- A. L-pentose l(-)
- B. L-tetrose l(-)
- C. D-pentose l(-)
- D. D-tetrose d(+)
- E. L-pentose d(+)



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7. Pyranose and furanose are?

- A. Types of sugars
- B. Square structures
- C. Ring structures
- D. Types of proteins

8. Mannoheptulose is?

- A. 8 carbon ketose
- B. 7 carbon aldose
- C. 7 carbon ketose
- D. 6 carbon ketose
- E. 6 carbon aldose

9. All monosaccharides are optically active except?

- A. Glyceraldehyde
- B. Dihydroxyacetone
- C. Glucose
- D. Mannose
- E. Sucrose

Answers:

- 1.C
- 2.C
- 3.D
- 4.B
- 5.C
- 6.C
- 7.C
- 8.C
- 9.B