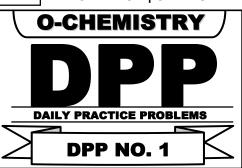
TARGET: NEET (UG) 2024

**Course:** SARANSH (Youtube Live CRASH COURSE)



## Biomolecules DPP No. : 1

- 1. Which one of the following is a pentose sugar?
  - (1) Ribose
- (2) Glocose
- (3) Fructose
- (4) All the three
- 2. The Number of chiral centres present in D-(+)-glucopyranose is
  - (1) 2

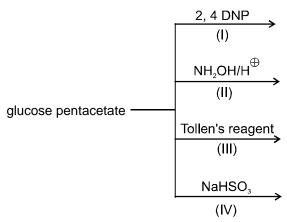
- (2)6
- (3) 3

(4) 4

- 3. Complete hydrolysis of cellulose yields
  - (1) L-glucose
- (2) D-fructose
- (3) D-glucose
- (4) D-ribose

- **4.** Starch is polymer of
  - (1) α-D-Glucose

- (2) β-D-Glucose
- (3)  $\alpha$ -D-Glucose and  $\beta$ -D-Glucose
- (4)  $\alpha$ -D-Fructose
- 5. A disaccharide on hydrolysis gives
  - (1) Two molecules of the same monosaccharide
  - (2) One molecule each of two different monosaccharides
  - (3) Three molecules of the same monosaccharide
  - (4) Two molecules of same or different monosaccharides.
- **6.** The peptide bond is:
  - (1) CONH<sub>2</sub>
- (2) CONH -
- (3) COONH<sub>4</sub>
- (4) N = C = O
- **7.** Observe the following laboratory tests for glucose pentacetate and mention +ve or –ve from the code given below.



(2) -- --

(3) + - + -

(4) + + - -

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- **8.** Which of the following pairs is (are) correctly matched
  - (1)  $\alpha$  D (+) glucose and  $\beta$ -D(+) glucose  $\rightarrow$  C-2 epimers
  - (2) Glucose and fructose  $\rightarrow$  C 3 epimers
  - (3) Glucose → Furanose ring
  - (4) Sucrose → Glucose + fructose
- **9.** Which of the following is  $\alpha$  amino acid?

**10.** Haworth's projection of  $\alpha$ -D glucose is :

- (3) both
- (4) none

## **Answer Key**

- 1.
- **(1) 2.**

(2)

- (1)
- (3)
- **4.** (1)
- 5.
- (4)
- 6.
- (2)

- 8.
- (4)
- 9.

3.

- (2)
- 10.
- (1)