

NEET BIOMOLECULES — MONOSACCHARIDES — PYQS

Max. Marks: 28

Questions: 7

Section A (MCQ) — 7 questions

Q.1 Sugar 'X'

- A. is found in honey
 B. is a keto sugar
 C. exists in α and β -anomeric forms.
 D. Is laevorotatory.

'X' is :

[NEET (UG) 2025]

- (1) Maltose (2) Sucrose
 (3) D-Glucose (4) D-Fructose

 Scan or tap for the
 full solution


Q.2 The reagents with which glucose does not react to give the corresponding tests/products are

- A. Tollens' reagent B. Schiff's reagent
 C. HCN D. NH_2OH
 E. NaHSO_3

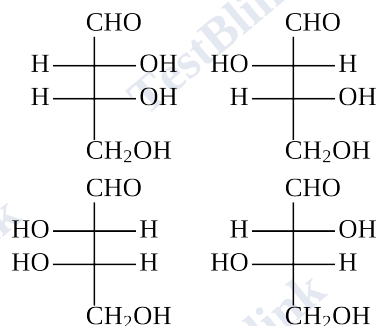
Choose the correct options from the given below:

[NEET (UG) 2024]

- (1) B and C (2) A and D (3) B and E (4) E and D

 Scan or tap for the
 full solution


Q.3 The correct corresponding order of names of four aldoses with configuration given below



respectively, is

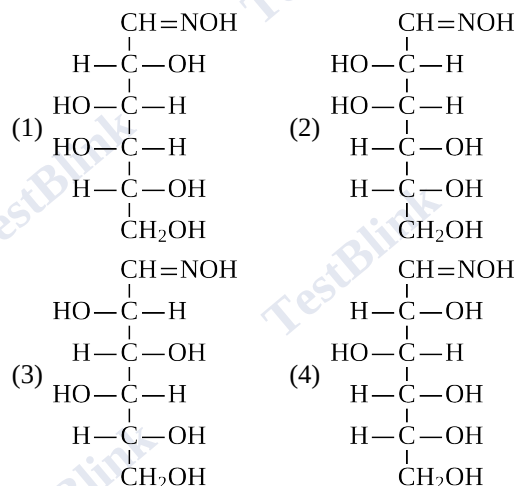
[NEET 2016 (Phase 2)]

- (1) L-erythrose, L-threose, L-erythrose, D-threose
 (2) D-threose, D-erythrose, L-threose, L-erythrose
 (3) L-erythrose, L-threose, D-erythrose, D-threose
 (4) D-erythrose, D-threose, L-erythrose, L-threose

 Scan or tap for the
 full solution


Q.4 D(+)-glucose reacts with hydroxylamine and yields an oxime. The structure of the oxime would be

[AIPMT 2014]


 Scan or tap for the
 full solution


Q.5 Fructose reduces Tollens' reagent due to

[AIPMT 2010 (Mains)]

- (1) asymmetric carbons
 (2) primary alcoholic group
 (3) secondary alcoholic group
 (4) enolisation of fructose followed by conversion to aldehyde by base

 Scan or tap for the
 full solution

 Q.6 Number of chiral carbons in β -D-(+)-glucose is

[AIPMT 2004]

- (1) five (2) six (3) three (4) four

 Scan or tap for the
 full solution

 Q.7 α -D-glucose and β -D-glucose are

[AIPMT 2000]

- (1) epimers (2) anomers
 (3) enantiomers (4) diastereomers

 Scan or tap for the
 full solution


ANSWER KEY

Ques.	1	2	3	4	5	6	7				
Ans.	4	3	4	4	4	1	2				