

NEET BIOMOLECULES — DISACCHARIDES AND OLIGOSACCHARIDES — PYQS

Max. Marks: 16

Questions: 4

Section A (MCQ) — 4 questions

Q.1 Sucrose on hydrolysis gives : [NEET (UG) 2020]

- (1) α -D-Glucose + β -D-Glucose
- (2) α -D-Glucose + β -D-Fructose
- (3) α -D-Fructose + β -D-Fructose
- (4) α -D-Glucose + α -D-Fructose

Scan or tap for the
full solution



Q.2 Which one of the following sets of monosaccharides forms sucrose?

[AIPMT 2012 (Prelims)]

- (1) α -D-galactopyranose and α -D-glucopyranose
- (2) α -D-glucopyranose and β -D-fructofuranose
- (3) β -D-glucopyranose and α -D-fructofuranose
- (4) α -D-glucopyranose and β -D-fructopyranose

Scan or tap for the
full solution



Q.3 Which one of the following statements is not true regarding (+) lactose? [AIPMT 2011 (Prelims)]

- (1) On hydrolysis (+) lactose gives equal amount of D(+) glucose and D(+) galactose.
- (2) (+) Lactose is a β -glucoside formed by the union of a molecule of D(+) glucose and a molecule of D(+) galactose.
- (3) (+) Lactose is a reducing sugar and does not exhibit mutarotation.
- (4) (+) Lactose, $C_{12}H_{22}O_{11}$ contains 8 $-OH$ groups

Scan or tap for the
full solution



Q.4 Which one of the following does not exhibit the phenomenon of mutarotation?

[AIPMT 2010 (Prelims)]

- | | |
|-----------------|------------------|
| (1) (+) Sucrose | (2) (+) Lactose |
| (3) (+) Maltose | (4) (–) Fructose |

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4							
Ans.	2	2	3	1							