

Questions with Answer Keys

MathonGo

Q1: 24 Feb (Shift 1) - Single Correct

Out of the following, which type of interaction is responsible for the stabilisation α -helix structure of proteins?

- (1) Ionic bonding
- (2) Hydrogen bonding
- (3) vander Waals forces
- (4) Covalent bonding

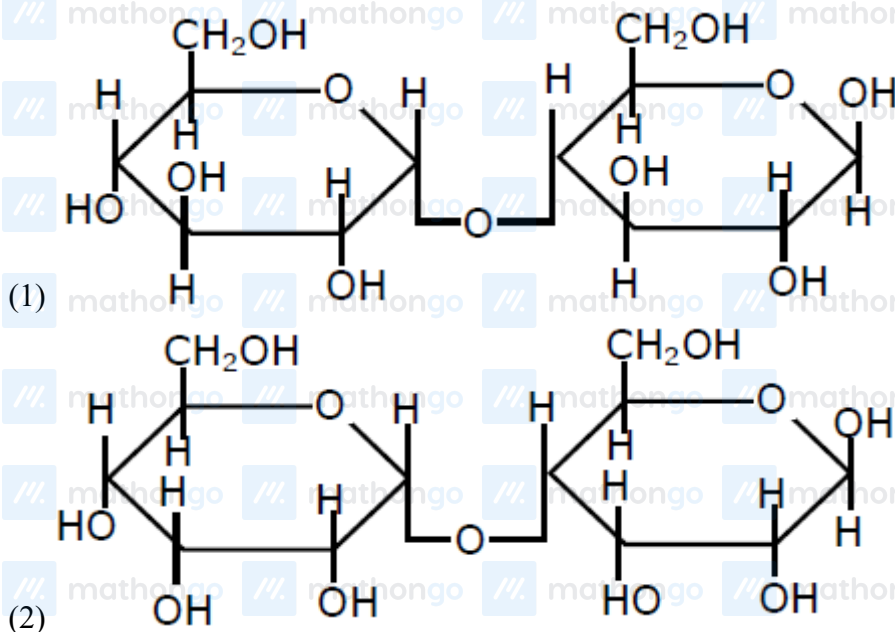
Q2: 25 Feb (Shift 1) - Single Correct

Which of the glycosidic linkage galactose and glucose is present in lactose?

- (1) C – 1 of glucose and C – 6 of galactose
- (2) C – 1 of galactose and C – 4 of glucose
- (3) C – 1 of glucose and C – 4 of galactose
- (4) C – 1 of galactose and C – 6 of glucose

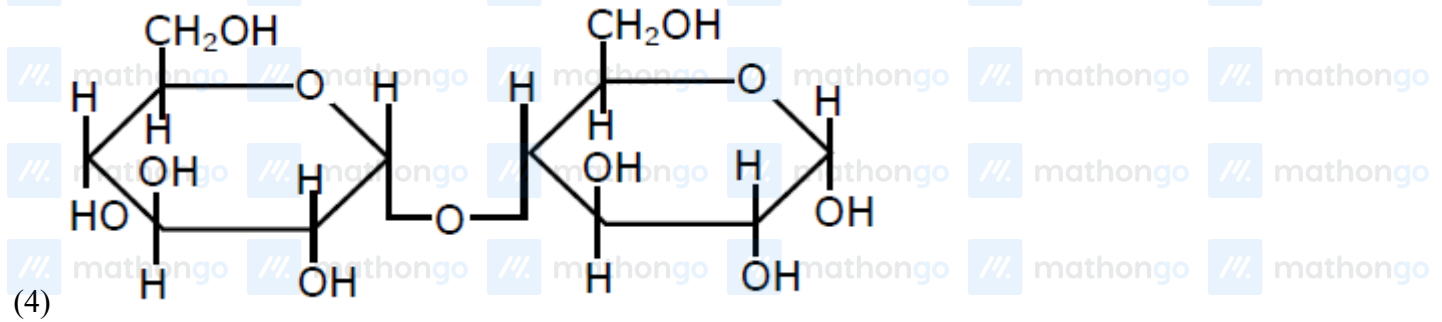
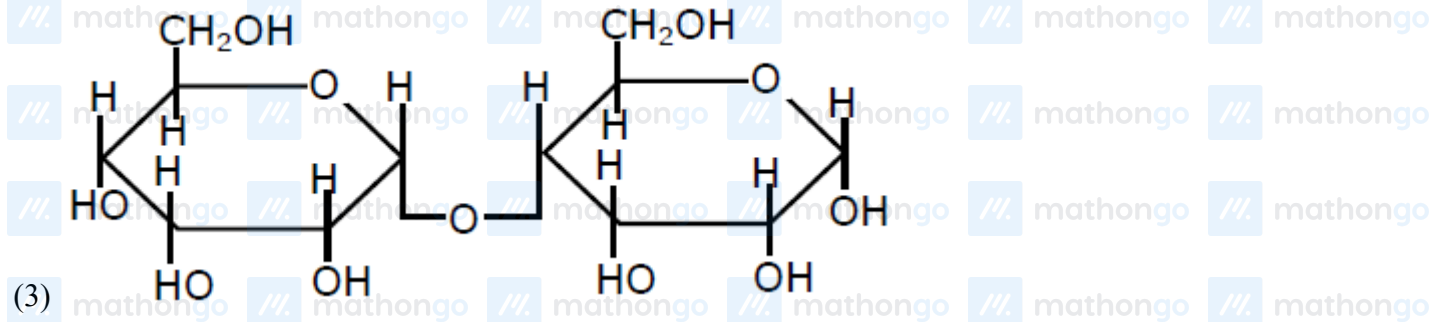
Q3: 25 Feb (Shift 2) - Single Correct

Which of the following is correct structure of α -anomer of maltose :



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Q4: 26 Feb (Shift 1) - Single Correct

Which of the following vitamin is helpful in delaying the blood clotting ?

- (1) Vitamin B
- (2) Vitamin C
- (3) Vitamin K
- (4) Vitamin E

Q5: 26 Feb (Shift 2) - Single Correct

Match List-I with List-II.

List-I

- (a) Sucrose
- (b) Lactose
- (c) Maltose

List-II

- (i) β -D-Galactose and β -D-Glucose
- (ii) α -D-Glucose and β -D-Fructose
- (iii) α -D-Glucose and α -D-Glucose

Choose the correct answer from the options given below:

- (1) (a) – (iii), (b) – (ii), (c) – (i)

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(2) (a) – (iii), (b) – (i), (c) – (ii)

(3) (a) – (i), (b) – (iii), (c) – (ii)

(4) (a) – (ii), (b) – (i), (c) – (iii)

Q6: 26 Feb (Shift 2) - Single Correct

Seliwanoff test and Xanthoproteic test are used for the identification of _____ and _____ respectively

(1) ketoses, proteins

(2) proteins, ketoses

(3) aldoses, ketoses

(4) ketoses, aldoses

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Answer Key

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Q1 (2)

Q2 (2)

Q3 (4)

Q4 (3)

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Q5 (4)

Q6 (1)

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