



Biomolecules

Q.No.1:

State clearly what are known as nucleosides and nucleotides.

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Q.No.2:

Explain the following terms:

- (i) Invert sugar
- (ii) Polypeptides

OR

Name the products of hydrolysis of sucrose. Why is sucrose not a reducing sugar?

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Q.No.3:

Write any two reactions of glucose which cannot be explained by the open chain structure of glucose molecule.

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Q.No.4: Amino acids are

- (a) acidic
- (b) basic
- (c) amphoteric
- (d) neutral

Q.No.5:

What is essentially the difference between α -form of glucose and β -form of glucose? Explain.

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Q.No.6:

Describe what you understand by primary structure and secondary structure of proteins.

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Q.No.7:

What is a glycosidic linkage?

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Q.No.8:

What is meant by (i) peptide linkage (ii) biocatalysts?

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Q.No.9: Name the products of hydrolysis of sucrose. **CBSE Board Paper 2014**

Q.No.10: (i) Deficiency of which vitamin causes scurvy?

(ii) What type of linkage is responsible for the formation of proteins?

(iii) Write the product formed when glucose is treated with HI.

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Q.No.11: (i) Which one of the following is a disaccharide : Starch, Maltose, Fructose, Glucose ?

(ii) What is the difference between fibrous protein and globular protein ?

(iii) Write the name of vitamin whose deficiency causes bone deformities in children.

CBSE Board Paper 2015

Q.No.12: (i) Write the name of two monosaccharides obtained on hydrolysis of lactose sugar.

(ii) Why Vitamin C cannot be stored in our body ?

(iii) What is the difference between a nucleoside and nucleotide ?

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