



SHIKSHA CLASSES

Subject : Chemistry

BOARD QUESTION PAPER

Total Marks : 20

Class : XII

Topic: 14. Biomolecules

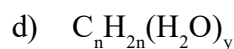
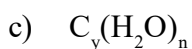
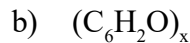
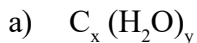
Time : 1 Hr.

Section (A)

Q.1. : Select and write the most appropriate answer from given alternatives in each sub-question

5

i) The correct representation of molecular formula of Carbohydrate is



ii) When Glucose is treated with hot HI it gives

a) n-pentane

b) pentane & hexane

c) n-hexane

d) ethane

iii) Which of the following is neutral amino acid?

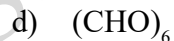
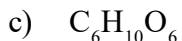
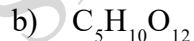
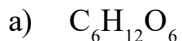
a) Glycine

b) Lysine

c) Arginine

d) Glutamic acid

iv) Molecular formula for glucose is



v) Sucrose on hydrolysis gives

a) Glucose + Fructose

b) Glucose + Glucose

c) Glucose + Lactose

d) Glucose + Maltose

Q.2 : Very short answer type Question.

2

i) What is the hydrolysis product of sucrose?

ii) What are peptide linkage?

Section (B)

:: Answer the following questions. (Any Three)

6

Q.3 : What are carbohydrate? Explain D - & L - Sugars.

Q.4 : Give the preparation methods of gluconic Acid.

Q.5 : Explain structure of Glucose.

Q.6 : What are Amino acid? Explain with an example.

Section (C)

: **Answer the following question. (Any one)** **3**

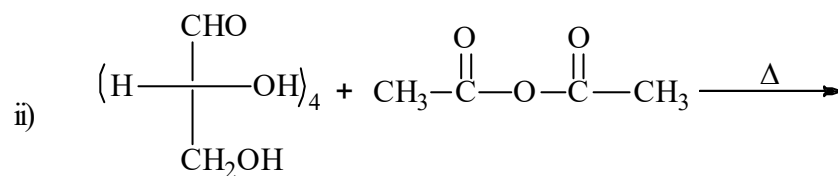
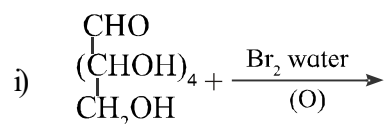
Q.7: Explain primary structure of proteins.

Q.8: Write industrial application of enzyme catalysis.

Section (D)

: **.Answer the following question. (Any one)** **4**

Q.9: Complete the given reaction



Q.10 : i) Explain the structure of Maltose ?

ii) What are Nucleic acid? Explain with an example.

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