



CHEMISTRY

NCERT - NCERT CHEMISTRY(GUJRATI)

BIOMOLECULES

Self Evaluation A Choose The Correct Answer

1. Which is a mono saccharide among the following :

A. Sucrose

B. Cellulose

C. Maltose

D. Glucose

Answer: Glucose



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2. Identify the reducing sugar.

A. Sucrose

B. Cellulose

C. Starch

D. Glucose

Answer: Glucose



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3. Sucrose is not

A. a di saccharide

B. a non-reducing sugar

C. hydrolysed to only glucose

D. hydrolysed to glucose & fructose

Answer: hydrolysed to only glucose



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4. Sucrose contains glucose and fructose

linked by

A. $C_1 - C_1$

B. $C_1 - C_2$

C. $C_1 - C_4$

D. $C_1 - C_6$

Answer:



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5. Glucose is not oxidised to gluconic acid by

A. Br_2 / H_2O

B. Fehling solutions

C. Tollen's reagent

D. Conc. HNO_3

Answer:



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6. Inversion of sucrose refers to

A. oxidation of sucrose

B. reduction of sucrose

C. hydrolysis of sucrose to glucose and
fructose

D. polymerisation of sucrose.

Answer:



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7. Glucose forms _____ with acetic anhydride and sodium acetate.

A. di acetate

B. tetra acetate

C. penta acetate

D. hexa acetate

Answer:



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8. The amino acid without chiral carbon is

A. Glycine

B. Alanine

C. Proline

D. Thyrosine

Answer:



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9. The building block of proteins are

- A. α – hydroxy acids
- B. α – amino acids
- C. β – hydroxy acids
- D. β – amino acids

Answer:



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10. Which is not true of amino acid ?

A. amino acid forms Zwitter ion

B. has isoelectric point

C. dual behaviours

D. amino acid is insoluble in NaOH solution

Answer:



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11. Two amino acids say A, B- react to give

- A. two dipeptides
- B. three dipeptides
- C. four dipeptides
- D. only one

Answer:



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12. A di peptide does not have

- A. two peptide units
- B. portions of two amino acids
- C. an amido group
- D. salt like structure

Answer:



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13. Proteins are not sensitive to

A. acids

B. bases

C. elevated temperature

D. water

Answer:



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14. Denaturation does not involve

- A. breaking up of H – bonding in proteins
- B. the loss of biological action of enzyme
- C. the loss of secondary structure
- D. loss of primary structure of proteins

Answer:



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15. Specificity of enzyme is due to

A. the sequence of amino acids

B. secondary structure

C. tertiary structure

D. all of the above

Answer:



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16. Ultimate products of hydrolysis of proteins is

- A. aniline
- B. aliphatic acid
- C. amino acid
- D. aromatic acid

Answer:



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17. Proteins are

A. polypeptides

B. poly acids

C. poly phenols

D. poly esters

Answer:



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18. Which of the following contains a lipid ?

A. starch

B. mineral oil

C. edible oil

D. peptide

Answer:



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19. Which among the following contains triglyceride ?

A. Wax

B. Cooking oil

C. Essential oil

D. Albumin

Answer:



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20. Which contains a long chain ester ?

A. wax

B. cooking oil

C. turpentine oil

D. cellulose

Answer:



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21. An example of a fatty acid obtained from a cooking oil is

A. acetic acid

B. stearic acid

C. benzoic acid

D. oxalic acid

Answer:



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22. Which is not a saturated fatty acid ?

A. Palmitic acid

B. Stearic acid

C. Oleic acid

D. Glyceric acid

Answer:



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23. Alkaline hydrolysis of cooking oil gives

A. soap

B. glycerol

C. fatty acid

D. both (a) and (b)

Answer:



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24. Hair and nail contains

A. cellulose

B. fat

C. keratin

D. lipid

Answer:



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25. Important constituent of cell wall is

A. lipid

B. cellulose

C. protein

D. vitamin

Answer:



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Self Evaluation B Answer In One Or Two Sentences

1. Give the structure of sucrose.



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