

CBSE TEST PAPER-01
CLASS - X (Carbon and its compound)

1. Soaps are formed by the saponification of (1)
 (a) Alcohols (b) simple ester (c) carboxylic acids (d) glycerides
2. The functional group of butanone is (1)
 (a) Carboxyl (b) ketonic (c) aldehydic (d) alcoholic
3. Enzyme which converts starch into glucose is (1)
 (a) Zymase (b) Maltase (c) Diastase (d) Invertase
4. The first compound to be prepared in the laboratory was (1)
 (a) Methane (b) Ethyl alcohol (c) acetic acid (d) Urea.
5. The IUPAC name of CH_3CHO is (1)
 (a) Acetaldehyde (b) Formaldehyde (c) Methyl formaldehyde (d) Ethanal.
6. Name the following compounds. (2)
 (a) $H-\overset{H}{\underset{|}{C}}=O$ (b) CH_3-CH_2-Cl
7. Define soaps? (2)
8. Name the second member of alkynes family Give its structure? (2)
9. Give a chemical test to distinguish between Ethane and ethane. (2)
10. Complete the following reaction (3)
 (i) $H_2C=CH_2 + H_2O \xrightarrow{H_2SO_4}$
 (ii) $HC \equiv CH + Br_2 \rightarrow$
 (iii) $C_2H_5OH + Na \rightarrow$
11. What is the role of concentrated H_2SO_4 in the esterification reaction? (3)
12. What will be the formula and electron dot structure of cyclopentane ? (3)
13. Draw the structures of the following compounds (3)
 (a) Ethanoic acid (b) Bromopentane (c) Butanone
14. Define fermentation. Name the enzyme which converts (5)
 (a) milk into curd (yogurt)
 (b) Cane sugar into glucose and fructose
 (c) glucose into ethanol