

### Chemistry Revision Test

Time : 45 mins

Max Marks: 30

General Instructions:

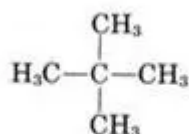
1. Question numbers 1 to 5 are one-mark questions. These are to be answered in one word or in one sentence.
2. Question numbers 6 to 10 are two-mark questions. These are to be answered in about 30 words each.
3. Question numbers 10 to 15 are three-mark questions. These are to be answered in about 50 words each.

Q1. Propane and butane are \_\_\_\_\_.

- (a) homologues
- (b) alkenes
- (c) unsaturated
- (d) dissolved in water

Q2. What is functional group for Aldehyde?

Q3. Name the IUPAC name of below hydrocarbon.



Q4. Write the reaction of ethane with Chlorine Mention each product name using IUPAC.system.

Q5 Write chemical reaction for preparation of ethane from ethyl bromide.

Q6 Write the reaction for conversion of ethane to 1, 2 dibromo ethane and ethene to bromo ethane.

Q7. Mention two test to distinguish propane and propene.

Q8. Write a preparation for ethanol from ethane. Mention the chemical reaction.

Q9. A. Which alcohol is called as wood spirit and what is denatured spirit.

B. Name the product formed when acetic acid reacts with ethanol.

Q10. Write two tests to prove  $\text{CH}_3\text{COOH}$  is acidic in nature.

Q11. Mention 3 unique properties of carbon. And explain them briefly.

Q12. Explain position isomerism using 1 bromopropane.

Q13. How is glacial acetic acid formed?

Q14. Write two differences between saturated hydrocarbons and unsaturated hydrocarbons.

Q15. A. Write the reaction of acetic acid with zinc.

B. Write the reaction of acetic acid with sodium bicarbonate.