

# CHEMISTRY STUDY MATERIALS FOR CLASS 10

## (Multiple Choice Questions- Answers of Chapter-04)

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### CARBON AND ITS COMPOUND

Question 34. Ethanoic acid is also known as which of these?

- (a) Citric acid                      (b) Nitric acid                      (c) **Acetic acid**                      (d) Formic acid

Question 35. Soaps are ester of which type of acids?

- (a) Formic acid                      (b) **Fatty acid**                      (c) Inorganic acid                      (d) Acetic acid

Question 36. Which of these is not an organic acid?

- (a) Acetic acid                      (b) Tartaric acid                      (c) **Nitric acid**                      (d) Formic acid

Question 37. Which of the following is not an allotropic form of carbon?

- (a) **Fluorine**                      (b) Fullerene                      (c) Diamond                      (d) Graphite

### **Give One word Answers for the following:**

1. A gas which is also known as marsh gas.

Answer: Methane

2. Catalyst used to convert alkanes to aldehydes.

Answer: Molybdenum oxide

3. Used for making pickles and preservatives.

Answer: Vinegar

4. The category of compounds with -COOH as functional groups.

Answer: Carboxylic acid

5. The category of compounds with OH as functional group.

Answer: Alcohol

6. A white solid which on treatment with water liberates acetylene.

Answer: Calcium carbide

7. A reagent which can be used to distinguish between ethene and ethyne.

Answer: Ammoniacal cuprous chloride

8. A gas used for artificial ripening of fruits.

Answer: Ethene / Ethyne

9. A solution used to store biological specimen.

Answer: Formalin

10. Organic acid present in vinegar.

Answer: Acetic acid

11. The process by which bigger hydrocarbons split into smaller hydrocarbons.

Answer: Pyrolysis

12. The process by which hydrogen converts unsaturated compounds to saturated compounds.

Answer: Hydrogenation

13. The process of removal of water from organic compounds.

Answer: Dehydration

14. Ethyl alcohol containing methanol is known as

Answer: Spurious liquor

15. A gas prepared when ethyl alcohol is treated with concentrated sulphuric acid.

Answer: Ethene

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