14. CARBON AND ITS COMPOUNDS

- 1. Identify the following functional groups.
 - (i) -OH
- (ii) -CHO
- (iii) -COOH (iv) -NH₂
- 2. Some formulae are given below. Are they belongs to an homologous series?
 - CH₃OH
- C₂H₅OH
- C₃H₇OH
- 3. Write the IUPAC names of the following.
 - (i) CH₃-CH₂-CH₂-COOH
- (ii) CH₃-CH-CH₂-CH₂-COOH CH₃
- 4. Draw the structures of the following molecules.
 - (i) But an 1,2 di ol
- (ii) 2,3 di chloro Propanal
- 5. Name any four allotropes of Carbon.
- 6. Alkanes participate in addition reactions. They do not participate in substitution reactions. Why?
- 7. Alkenes participate in substitution reactions. They do not participate in addition reactions. Why?
- 8. Draw the diagram of Micelle.
- 9. Draw the diagram of Soap molecules and label it.
- 10. Classify the following substances as Alkanes, Alkenes and Alkynes.
 - (i) CH₃-CH₂-CH₃

- (ii) CH₂=CH-CH₃
- (iii) CH₃-CH₂-C≡CH
- (iii) CH₃-CH₂-CH₂-CH₃
- 11. Graphite is a good conductor of electricity. Diamond is not a conductor of electricity.

Give reasons.

12. Where do we use carbon compounds in our daily life?