

CLASS: X

CARBON AND ITS CONTENT

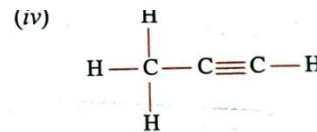
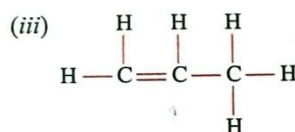
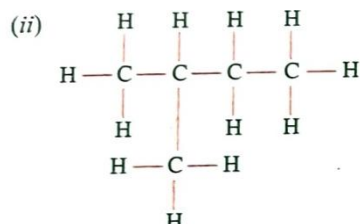
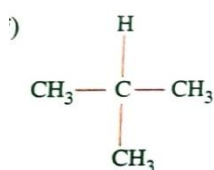
LONG ANSWER QUESTIONS :

01. Explain the nature of the covalent bond using the bond formation in CH_3Cl .

02. (a) Explain the term 'isomers' Give one example of isomers.

(b) Write IUPAC name of the compound having the formula $n\text{-C}_4\text{H}_{10}$.

03. Give the IUPAC names for the following.



04. (a) What are hydrocarbons? Explain with examples.

(b) Explain the meaning of saturated and unsaturated hydrocarbons with two examples each.

(c) Give the names and structural formulae of one saturated cyclic hydrocarbon and one unsaturated cyclic hydrocarbons.

(d) Give one example of a hydrocarbon, other than pentane, having more than three isomers.

(i) C_3H_8

(ii) C_4H_{10}

(iii) C_5H_{12}

(iv) C_6H_{14}