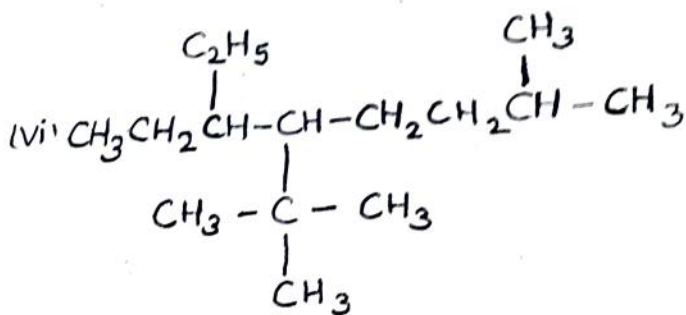
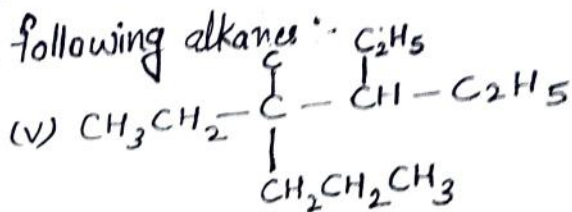
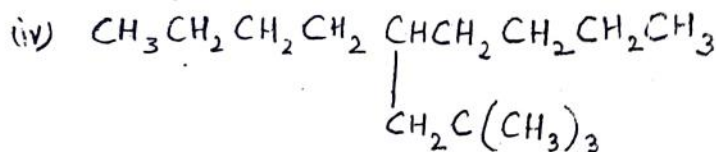
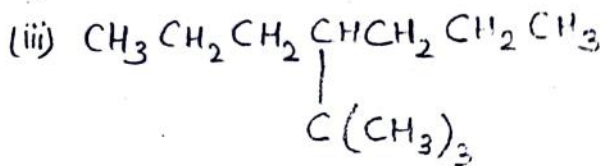
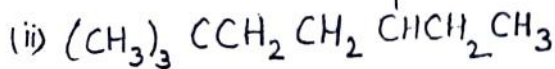
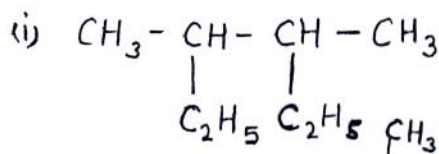


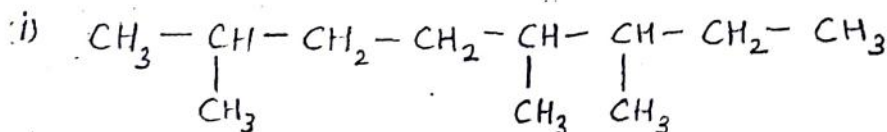
# SARASWATI CHEMISTRY POINT

## XII - (IUPAC NAMING)

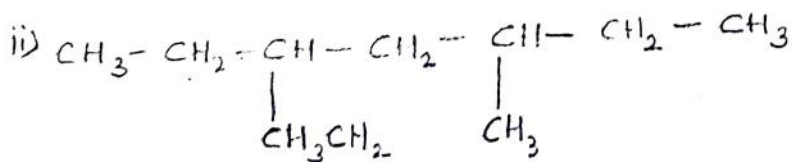
Q1 Give the IUPAC names of the following alkanes:



Q2 Structures and IUPAC names of some hydrocarbons are given below. Explain why the names given in the parenthesis are incorrect.

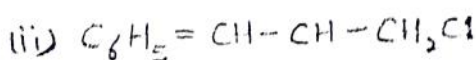
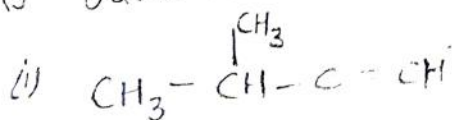


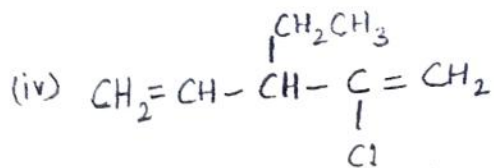
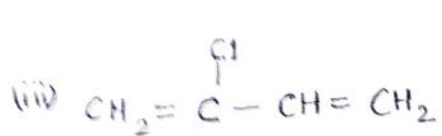
2,5,6 - Trimethyloctane  
(and not 3,4,7 - Trimethyloctane)



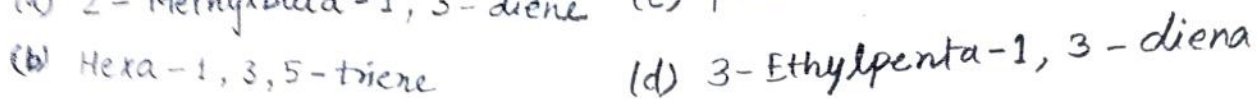
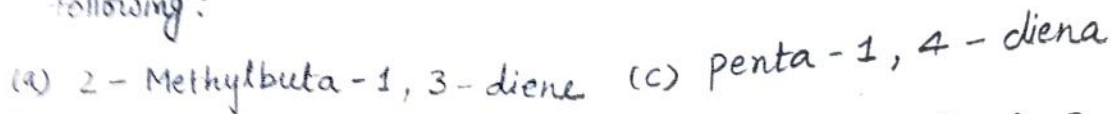
3 Ethyl - 5 - methylheptane  
and not 5 - Ethyl - 3 - methylheptane

Q3 Give the IUPAC names of the following compounds:-

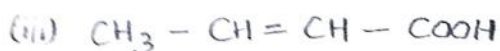
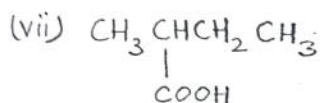
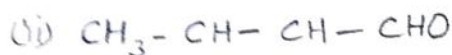
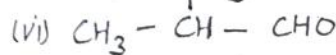
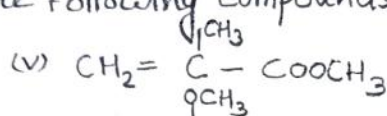
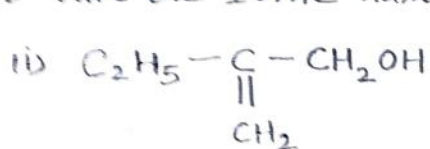




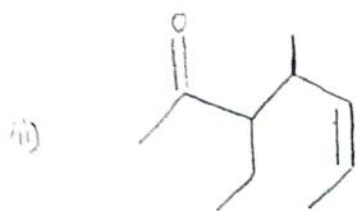
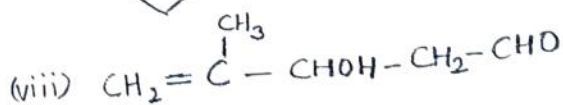
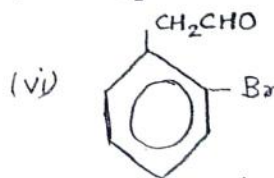
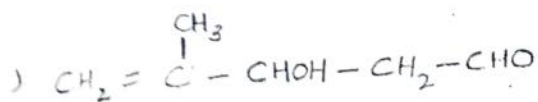
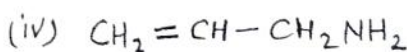
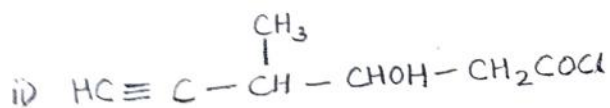
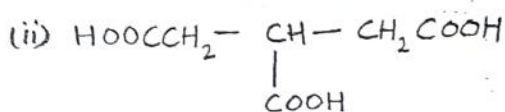
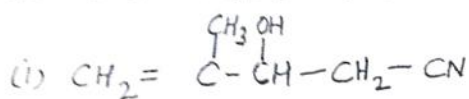
24 Give the condensed and bond-line structural formulae for the following:



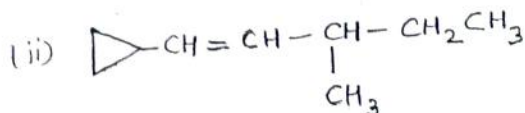
25 Give the IUPAC names of the following compounds:-

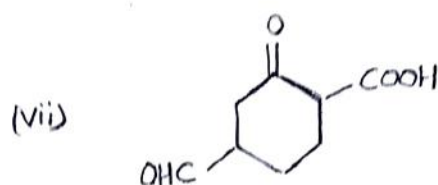
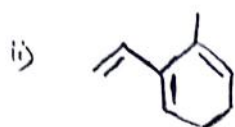
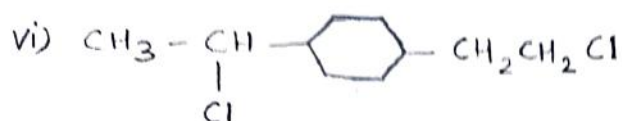
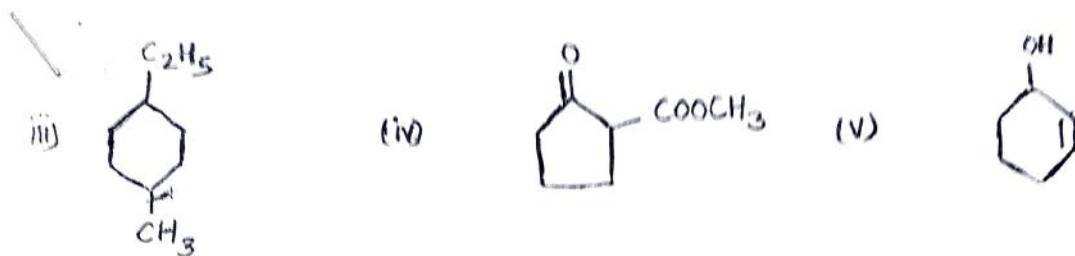


26 Give the IUPAC names for the following poly-functional compounds.



27. Give the IUPAC names of the following compounds:-





28. Write the structures of the following compounds :-

- (i) 2-chloro-3-methylpentene
- (ii) 1-chloro-4-ethylcyclohexane
- (iii) 1-bromo-4-sec-butyl-2-methylpentene
- (iv) 1,4-dibromobut-2-ene
- (v) 4-tert-butyl-3-iodoheptane

29. Why is sulphuric acid not used during the reactions of alcohols with KI.

30. Eight isomers are possible. Their structures and IUPAC names are given below:

