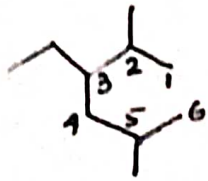
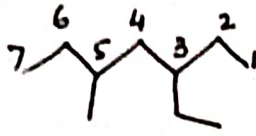
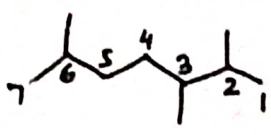
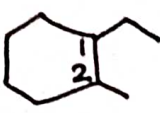
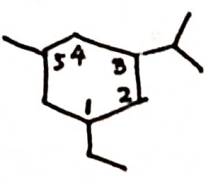
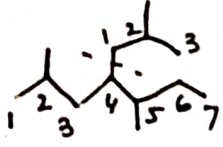
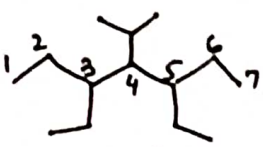
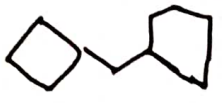
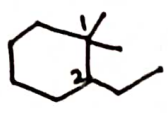
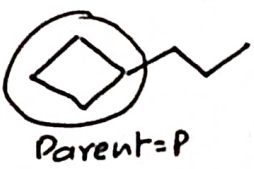
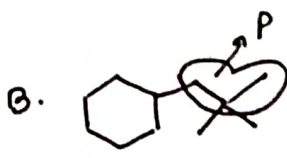
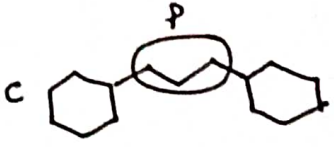

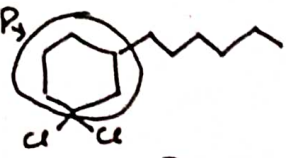




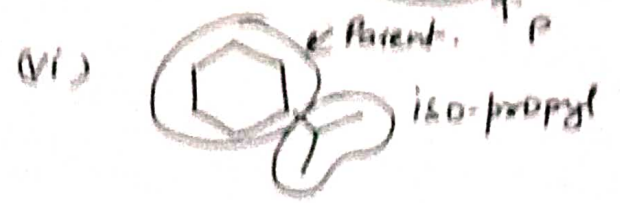
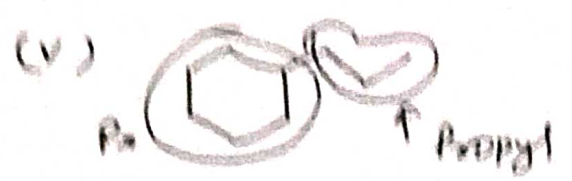
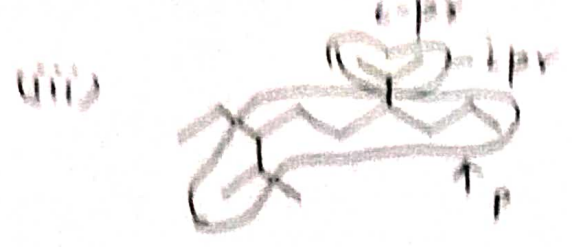
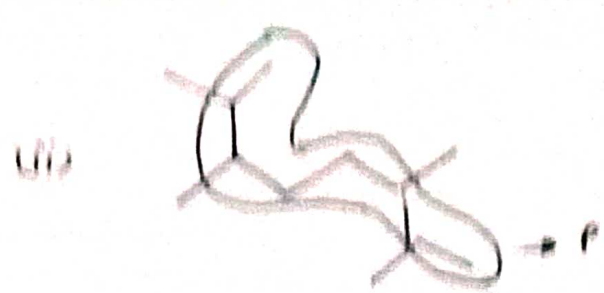


- 1
- A.  3-Ethyl-2,5-dimethyl hexane.
- B.  3-Ethyl-5-methyl heptane.
- C.  2,3,6-Trimethyl heptane.
- D.  1-Ethyl-2-methyl cyclohexane.
- E.  1-Ethyl-3-isopropyl-5-Methyl Cyclohexane.
or
1-Ethyl-3-methyl-5(methylethyl) Cyclohexane.
- F.  1,5-Dimethyl-4-(2-methyl propyl) heptane.
- G.  3,5-Diethyl-4-(isopropyl) heptane.
- H.  Cyclobutyl cyclopentyl methane.
- I.  2-Ethyl-1,1-dimethyl cyclohexane.

- 2.
- A.  Parent=P
- B.  P
- C.  P
- D.  P
- E.  P
- F.  P
- G.  P
- H.  P
- [P- means Parent chain]
(I)  P

- 3.
- A. $C_6H_{12} \rightarrow DU = 1.$
- B. $C_6H_{10}Cl_2 \rightarrow DU = 1$
- C. $C_3H_6O_2 \rightarrow DU = 1$
- D. $C_5H_{10}Cl_2 \rightarrow DU = 0$
- (E) $C_9H_8ClBr \rightarrow DU = 0.$
- (F) $C_{10}H_8 \rightarrow DU = 7.$
- (G) $C_6H_6OCl_2 \rightarrow DU = 3.$
- (H) $C_5H_{11}N \rightarrow DU = 1.$
- (I) $C_4H_9NO \rightarrow DU = 1$



Only (i), (iii) and (vi) has i-propyl as substituent.