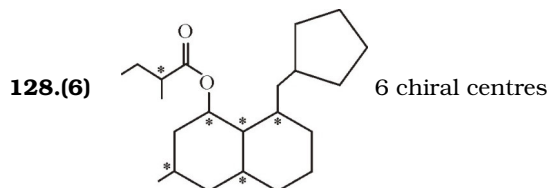
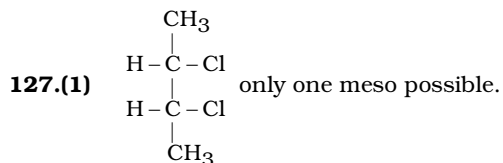


Numerical Value Type	DTS-11
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126.(5) $x = 5$; $y = 0$

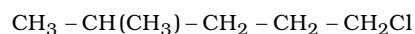
$$x + y = 5$$



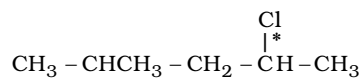
129.(8) $\text{CH}_3 - \text{CH}(\text{CH}_3) - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$

Five types of H-atoms

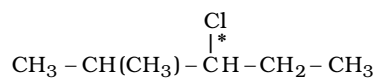
Number of isomers



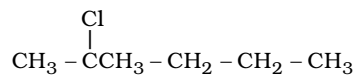
(1)



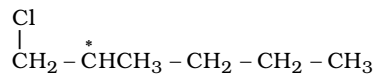
(2)



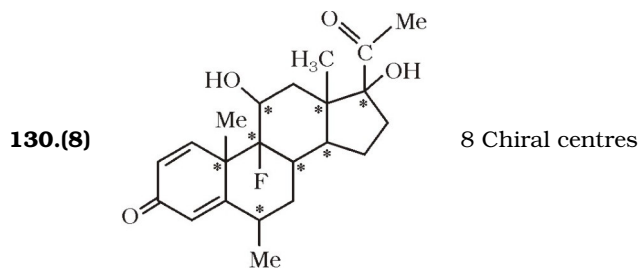
(2)



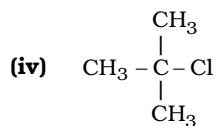
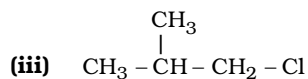
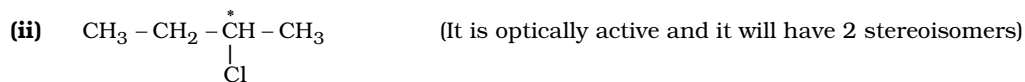
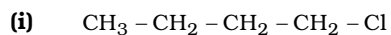
(1)



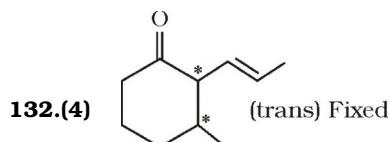
(2)



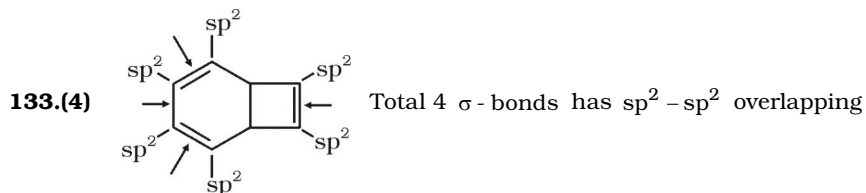
131.(5) The isomers are



Total isomers = $3 + 2 = 5$



Now 2 chiral centres will give 4 stereoisomers having trans alkene.



134.(11) No. of double bond = 6

No. of triple bond = 1

No. of rings = 3

$$DU = 6 + 1 \times 2 + 3 \Rightarrow 6 + 2 + 3 = 8 + 3 = 11$$

135.(1) $C_6H_{12}O_6$

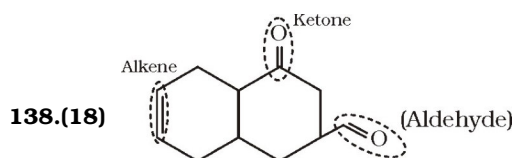
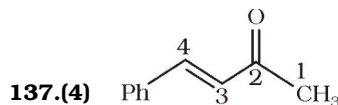
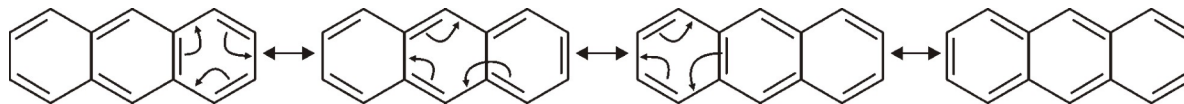
We know in $C_aH_bN_cO_dX_e$

$$DU = \frac{1}{2}(2 + 2a - b + c - e)$$

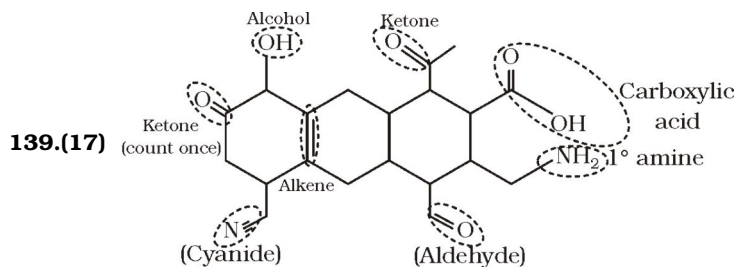
$a = 6, b = 12$

$$= \frac{1}{2}(2 + 2(6) - 12) = \frac{1}{2}(2 + 12 - 12) = 1$$

136.(3)



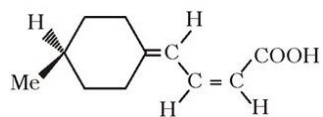
Total six atoms are sp^2 hybridized each sp^2 hybrid atom has three orbitals.



7 F.G. D.B.E. : 10

$$x = 10 + 7 = 17$$

140.(4)



Total isomers = $n^2 = 2^2 = 4$