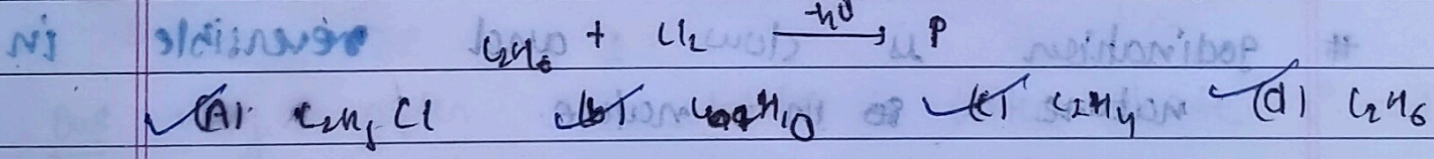
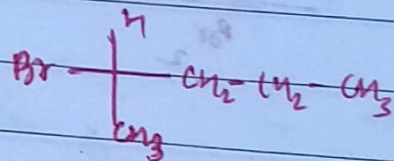


Ans which can be product (P) in the given rxn

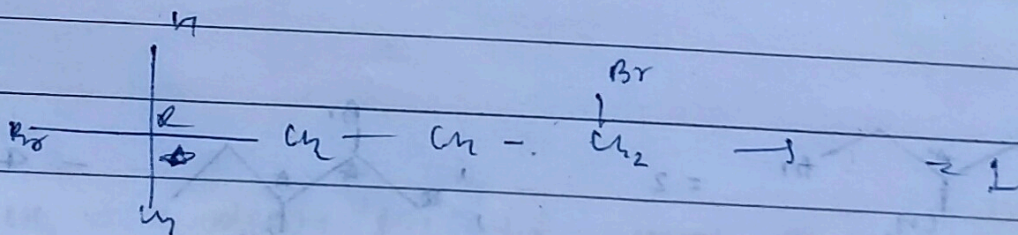
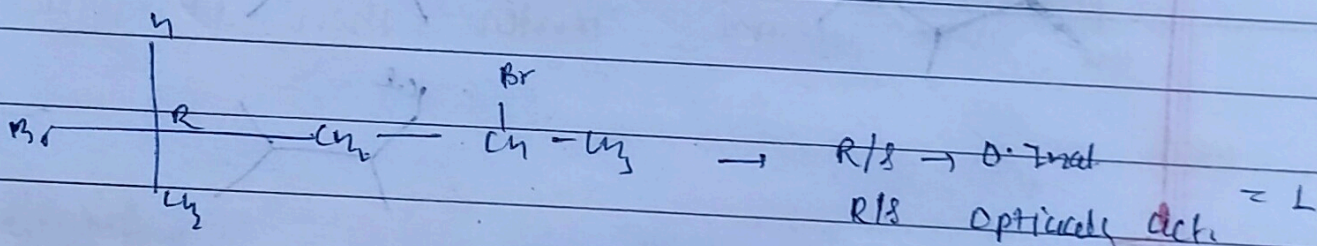
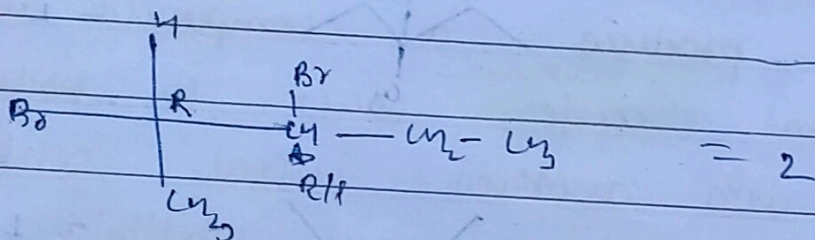
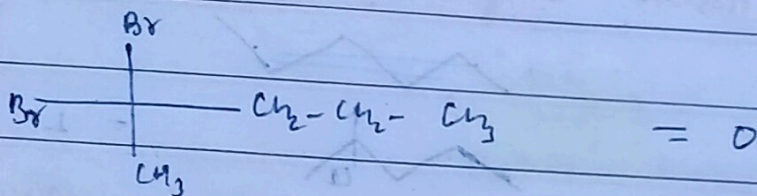
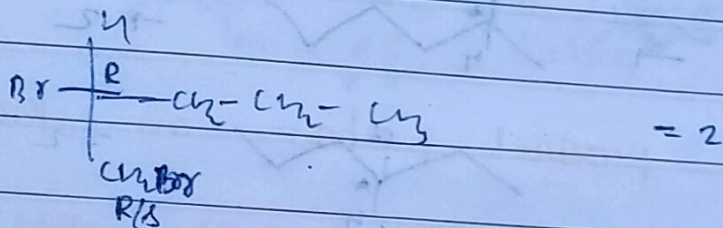


Aug 2016

Total no. of optically active isomers on mono.bromination



enantiomeric pair

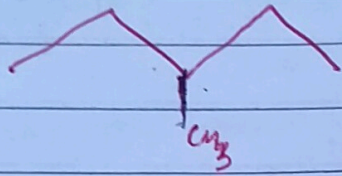




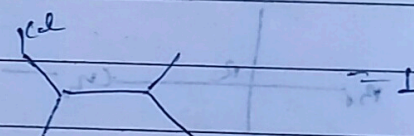
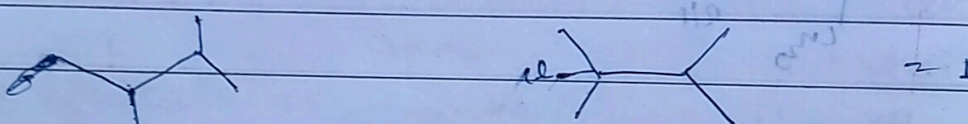
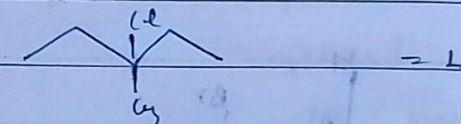
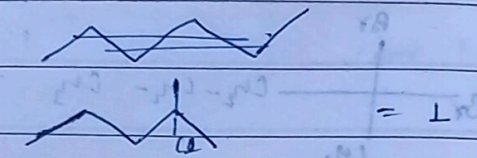
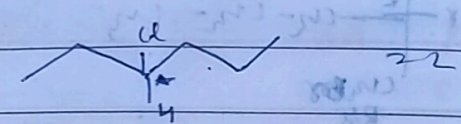
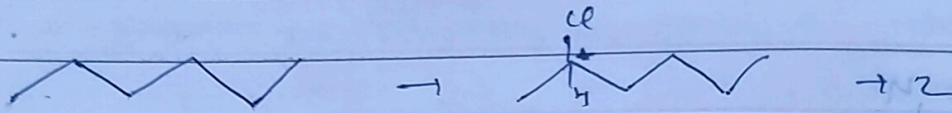
Case-3

When optically achiral molecule react to produce multiple chiral center. The product may be meso compounds, diastomers, racemic mix or meso.

204 Ques

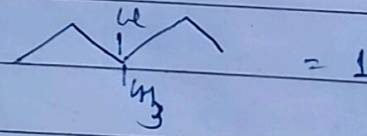
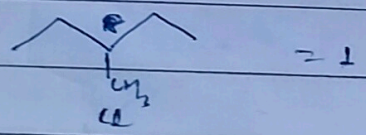
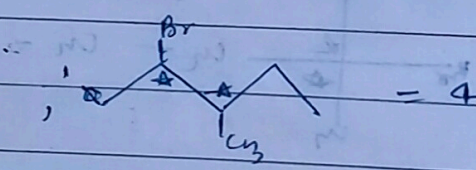
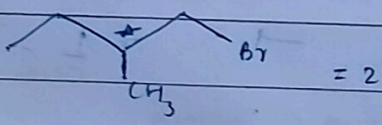


Total no. of isomers (stereoisomers)



Why

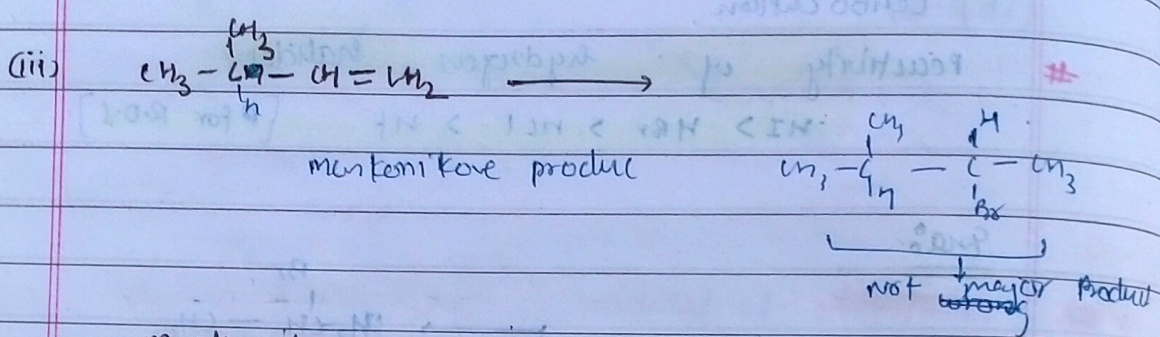
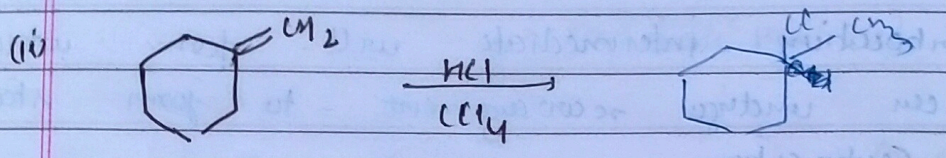
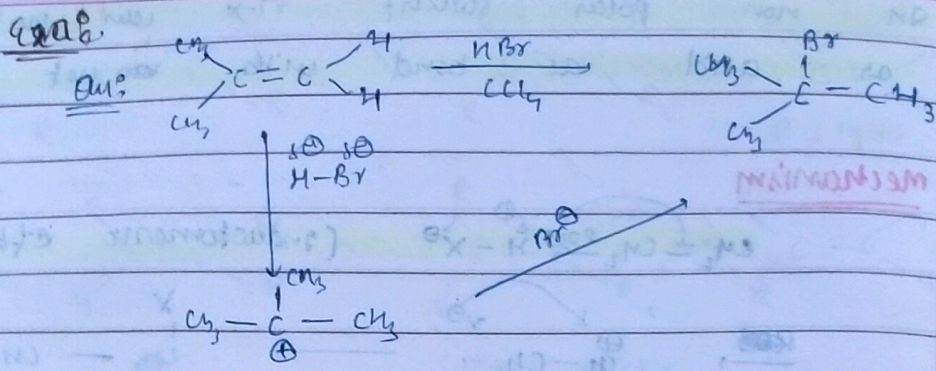
Correct



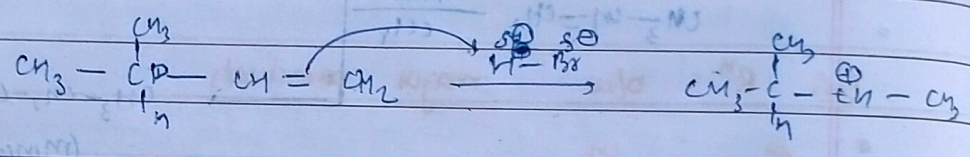
Ans = 0



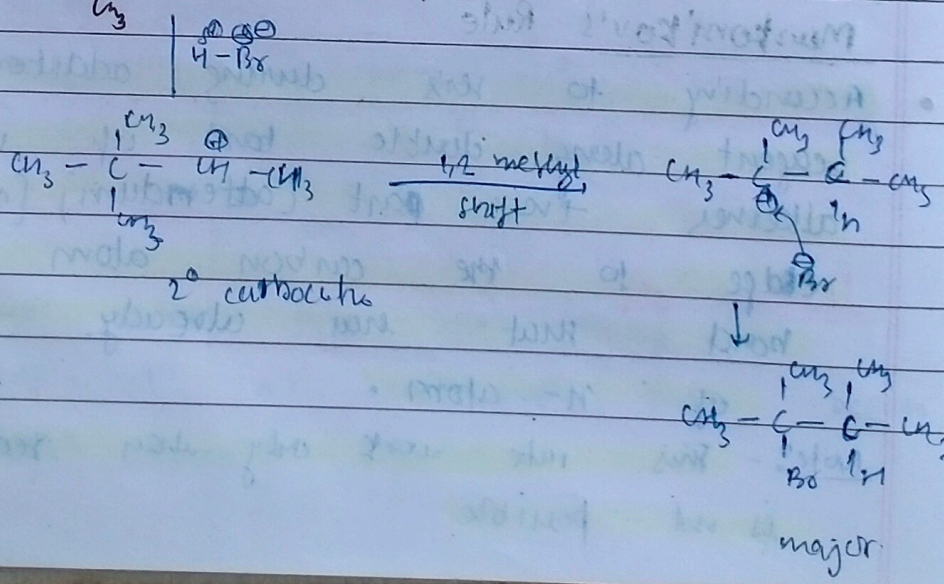
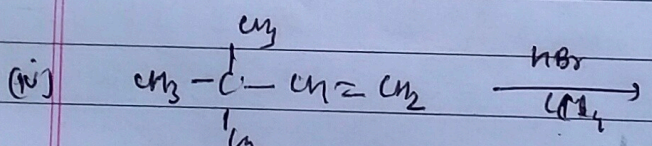
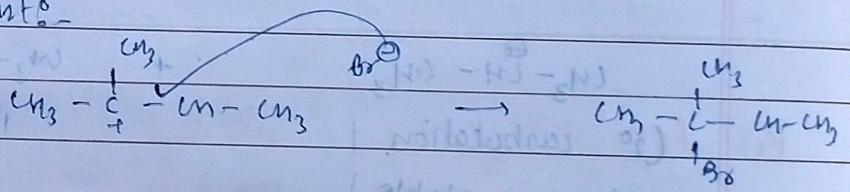
markovnikov aptitude:  $H^{\oplus} > \text{phen}^{\oplus} > R^{\oplus}$



# markovnikov rule not work here

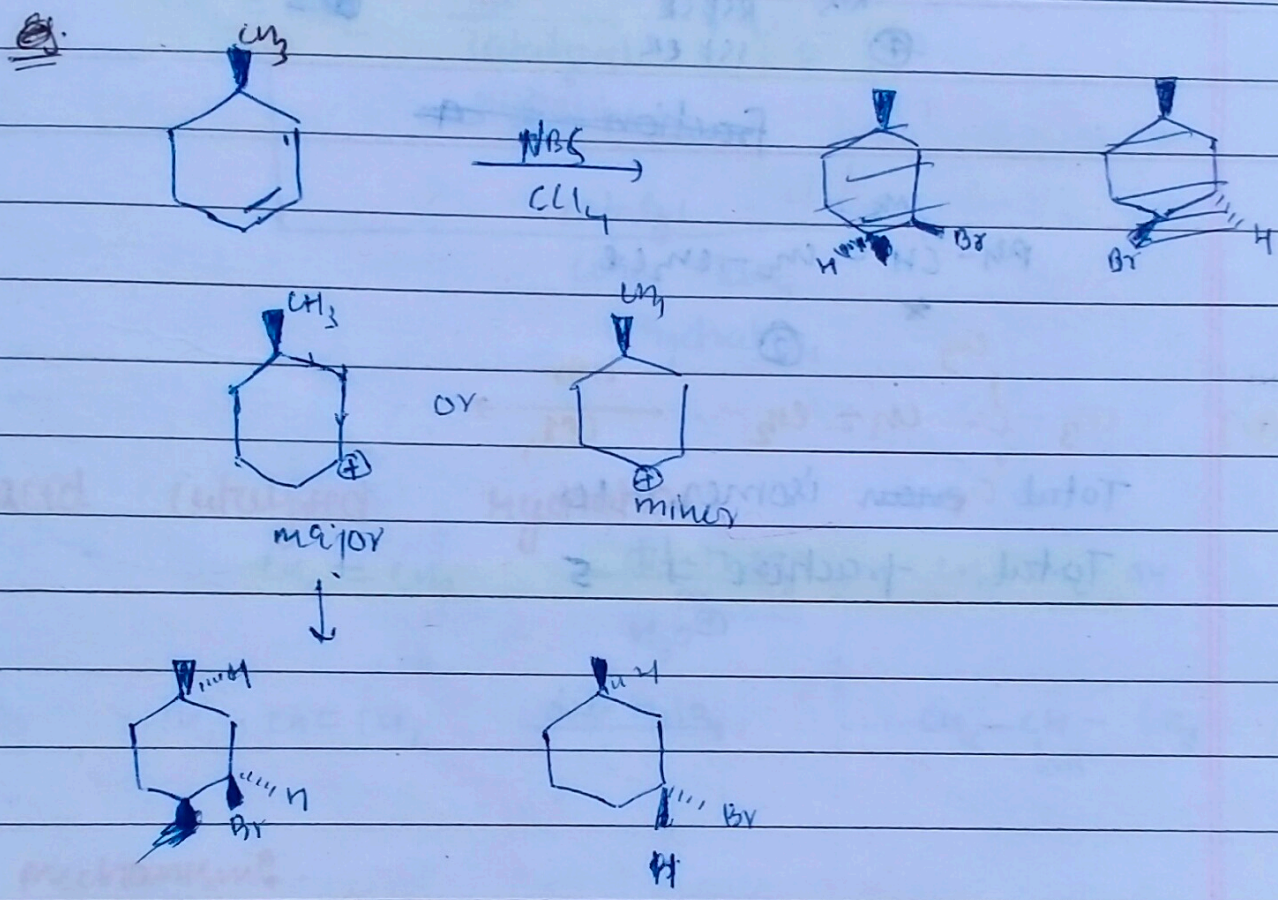


rearrangement





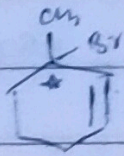
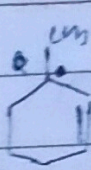
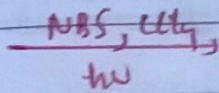
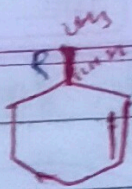
Ques  $R^H$  blw major products



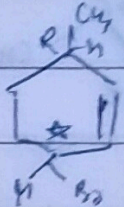
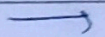
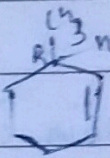
They are ~~no~~ diastereomers  
Both are optically active



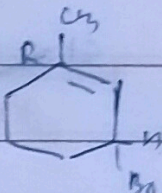
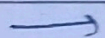
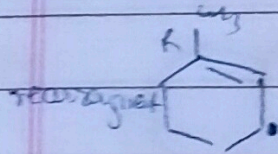
Ques



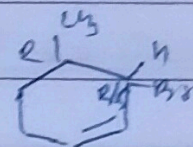
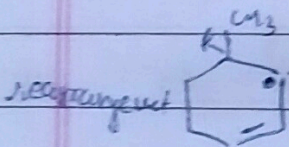
R/S = 2



R/S = 2



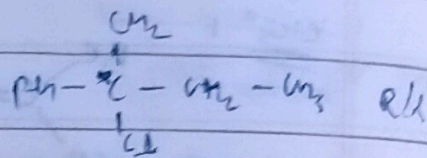
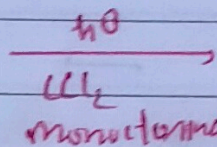
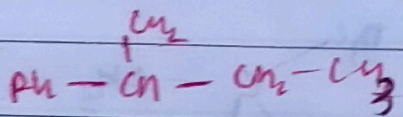
~~R/S~~ = 2  
R/R → 2 → diastere



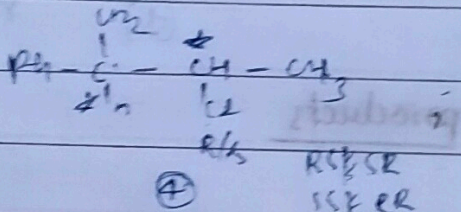
= 2

fraction = 5

Ques

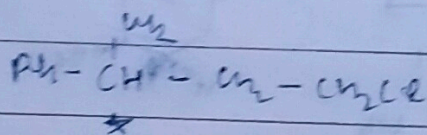


②



④

fraction = 4



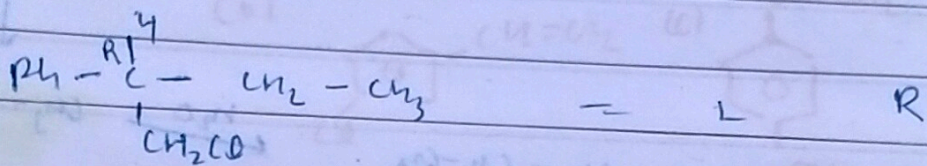
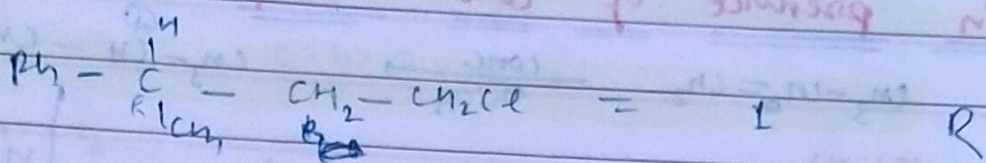
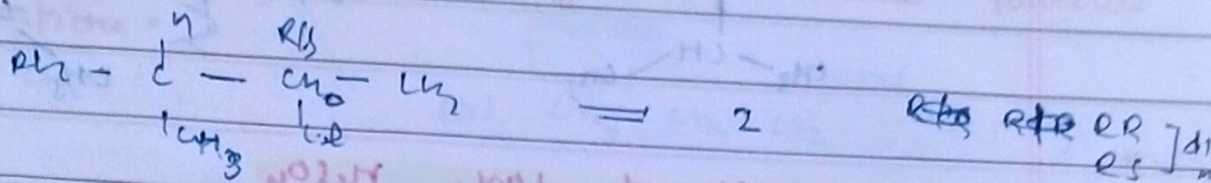
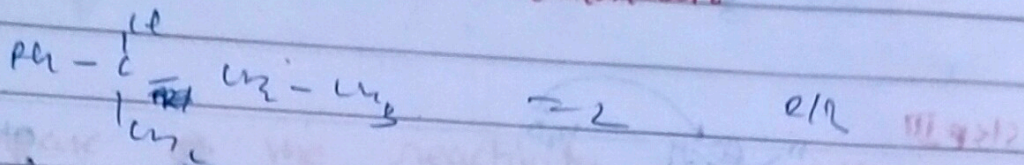
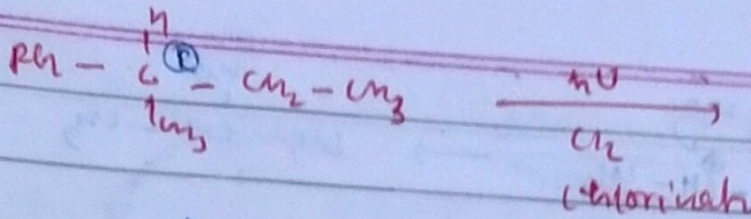
②

Total ~~enantiomers~~ isomers = 10

Total fraction = 5



Q1-2

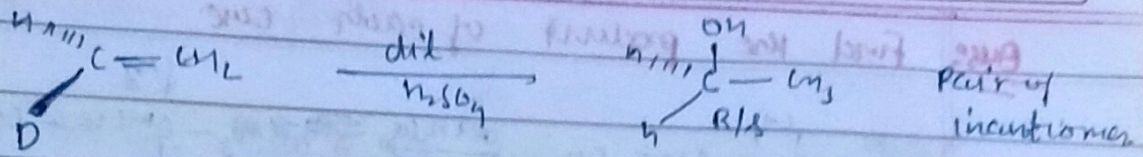


Total no. of fraction = 5

Total no. of isomers = 6



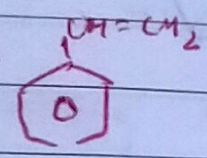
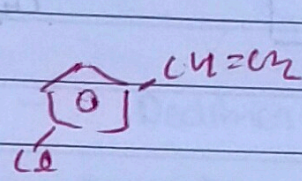
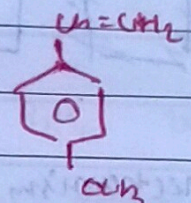
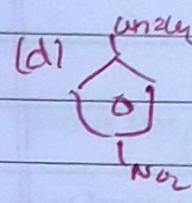
eg.



Ques Compare of the reactivity of alkene towards hydration.

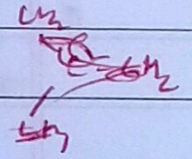
- (i) (a)  $CH_2=CH_2$       (b)  $CH_3-CH=CH_2$       (c)  $\begin{matrix} CH_3 \\ | \\ CH_2=CH \\ | \\ CH_3 \end{matrix}$

$c > b > a$

- (ii) (a)  (b)  (c)  (d) 

~~$a > b > c$~~   $c > a > b > d$

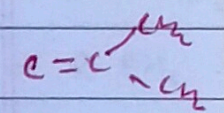
depends upon stability of carbocation

- (iii) (a)  $CH_2=CH-CH_3$  (ter stable)      (b)  $CH_2=CH-CH_2-Cl$       (c) 

- (c)  $CH_2=CH-CH_2-NO_2$       (d)  $CH_2=CH-CH_2-OCH_3$

~~$a > b > c$~~   
 ~~$d > a > b > c$~~

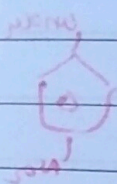
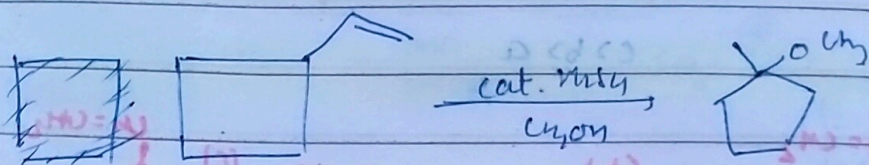
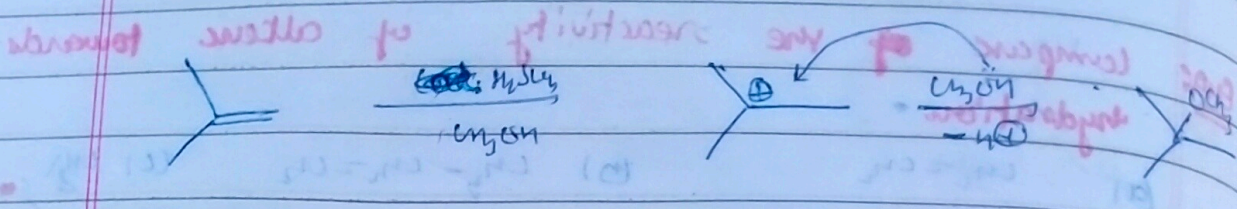
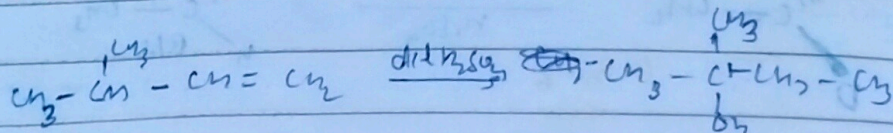
[+I, effect]  $a > b > d > c$

- (iv) (a)  $CH_3-CH_2-CH=CH_2$  (ter stable)      (b)  $CH_3-CH=CH-CH_3$  (more stable)      (c) 

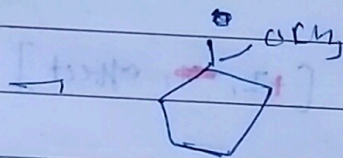
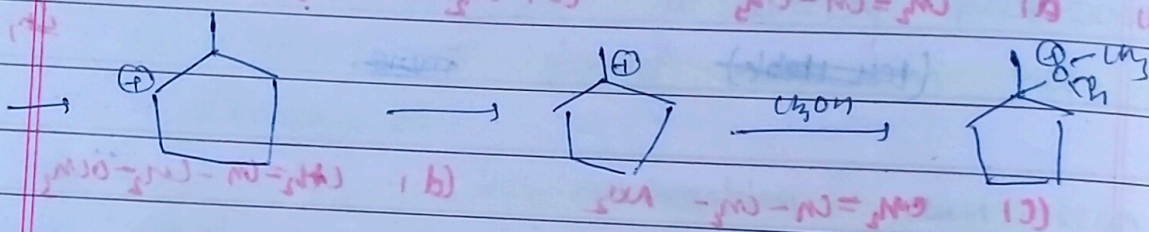
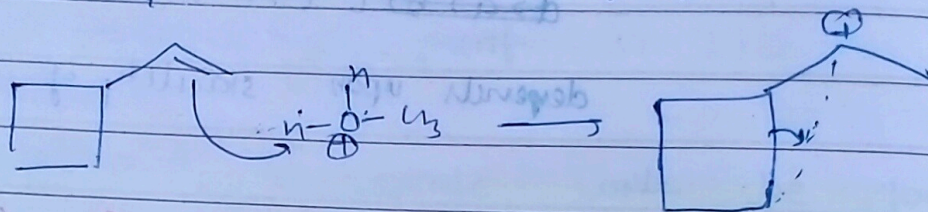
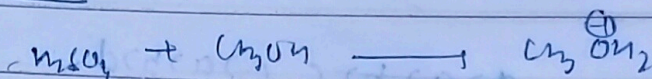
$c > b > a$



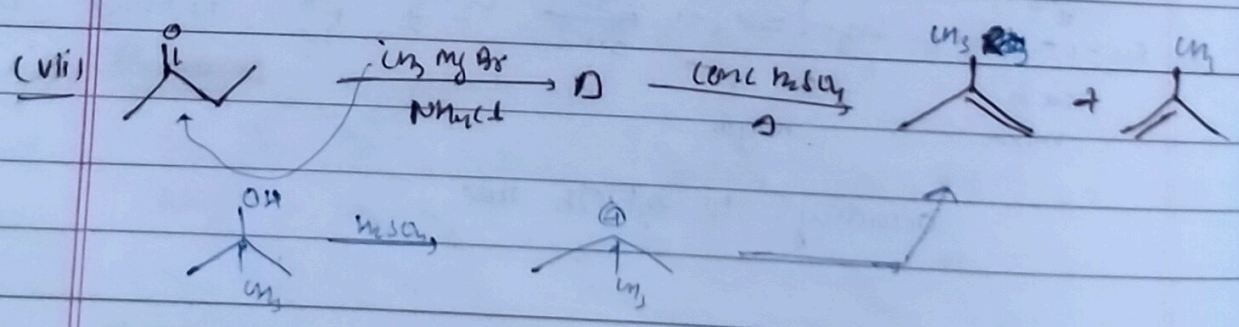
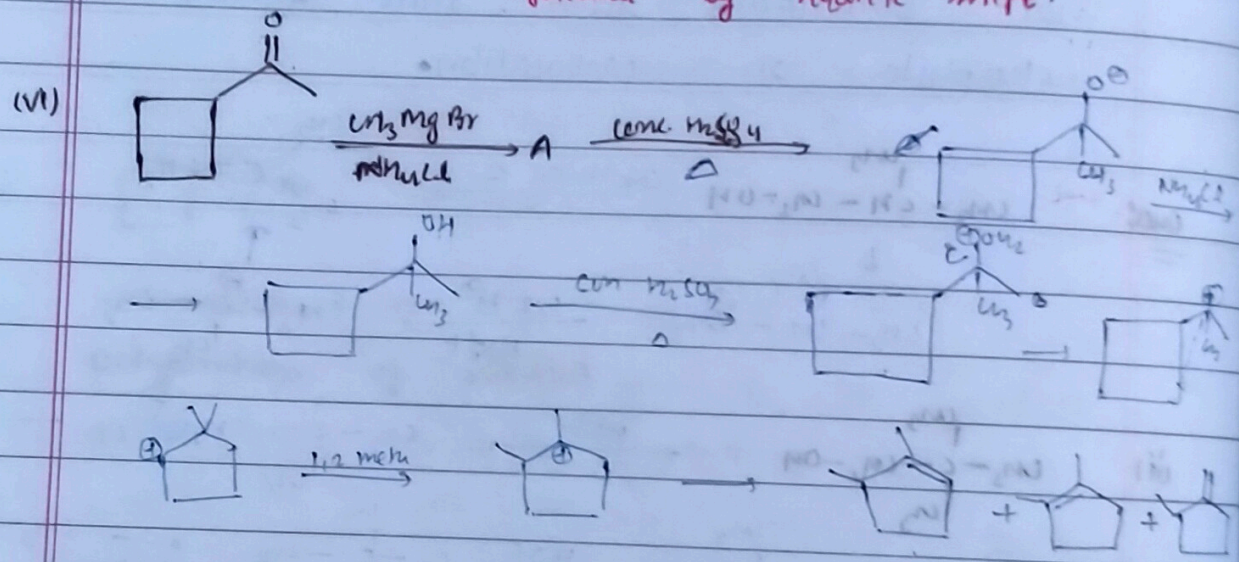
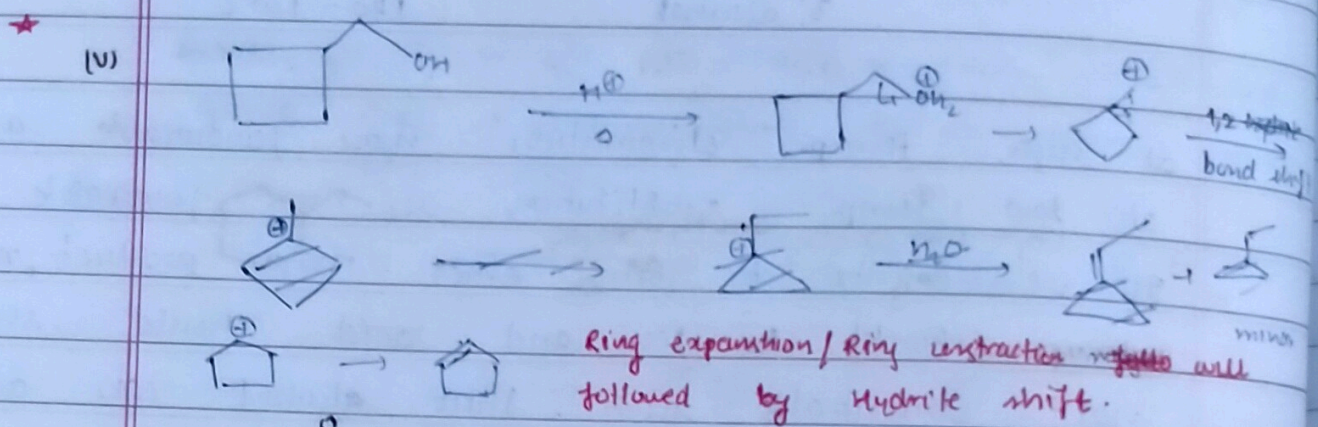
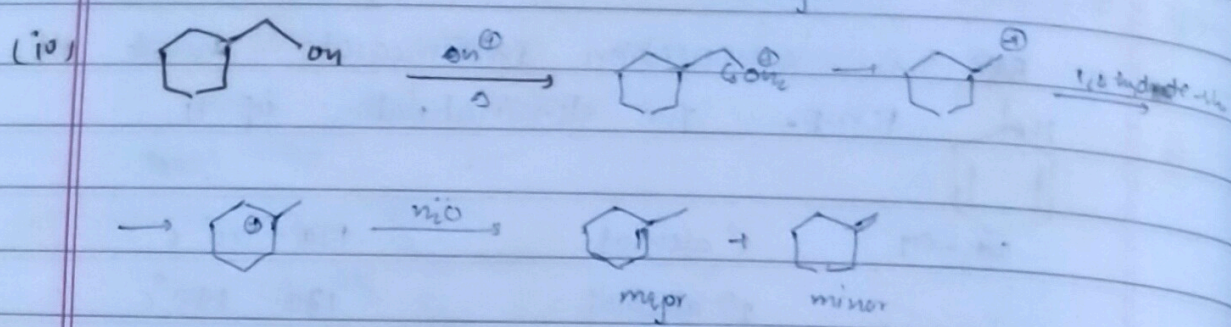
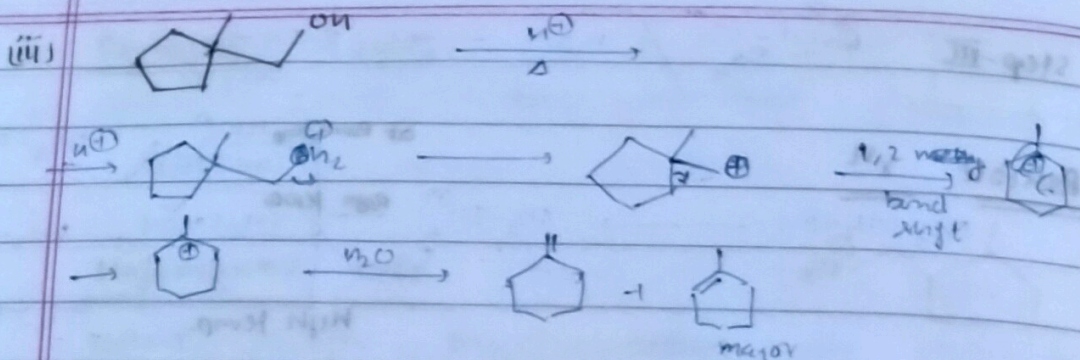
Ques: Find the product of each case



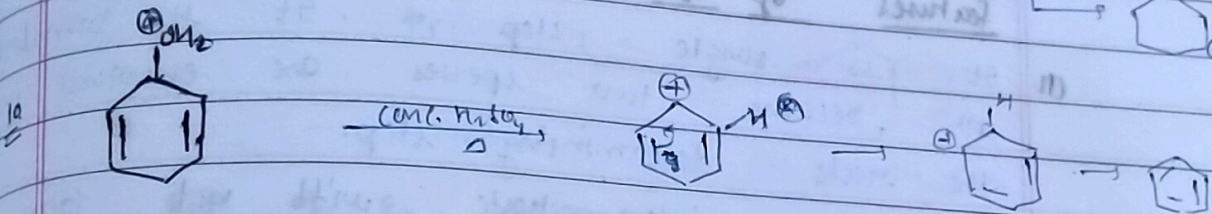
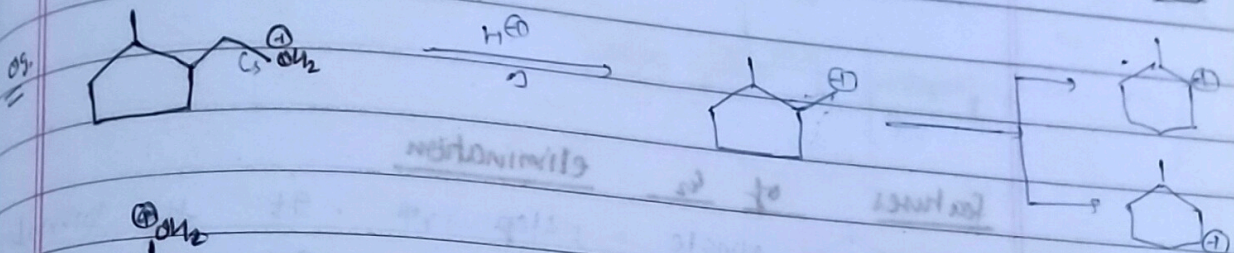
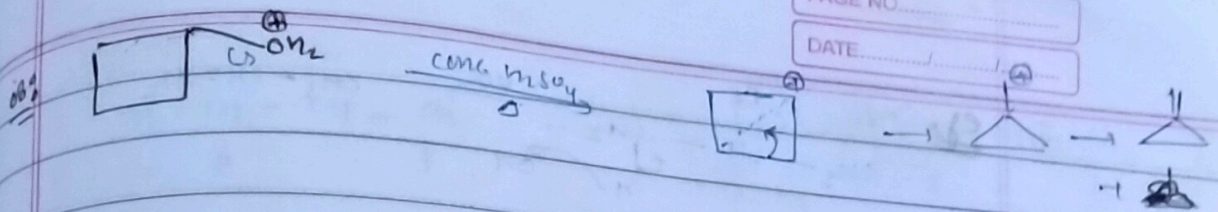
Mechanism





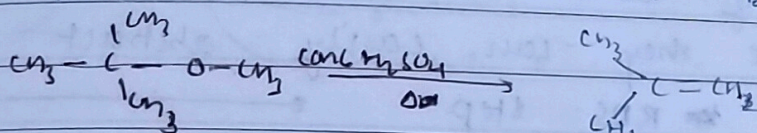




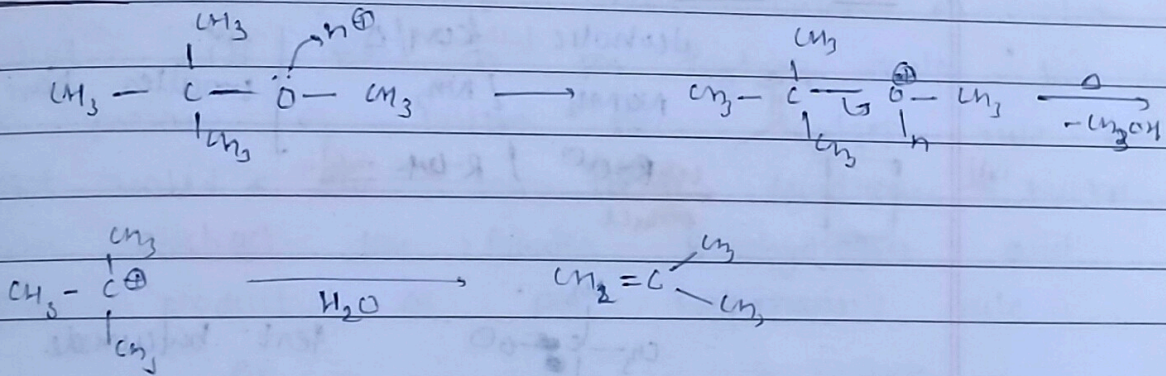


E<sub>1</sub> Elimination R<sup>n</sup> for ether

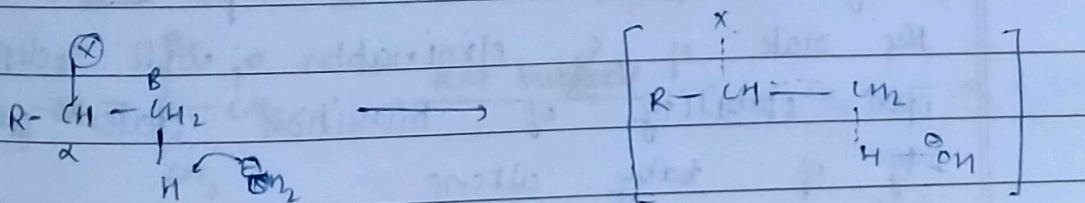
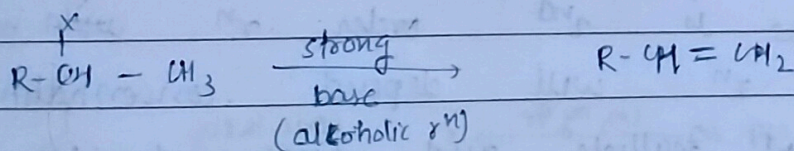
Elimination is not favourable in with for ether but few R<sup>n</sup> can be observed by E<sub>1</sub>.



Mechanism:



Bimolecular Elimination not for alkyl halide (E<sub>2</sub>-elimination)



TS (Baby albene) Vidya 1208

R-CH=CH<sub>2</sub>