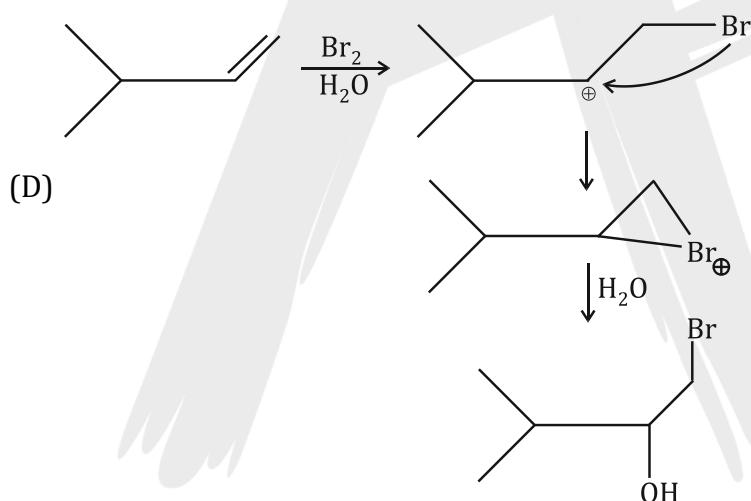
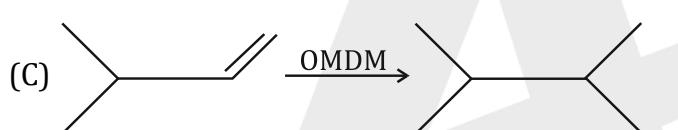
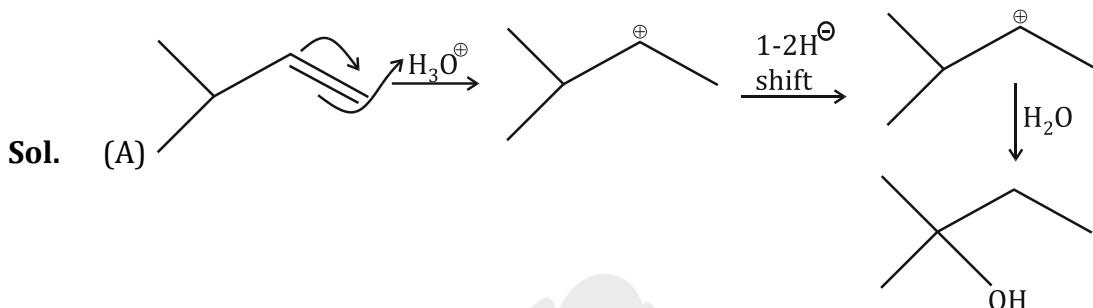


DPP-04

SOLUTION

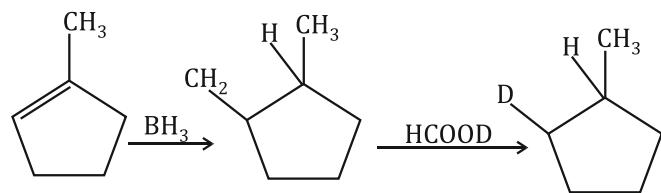
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1. (ABCD)



2. (B)

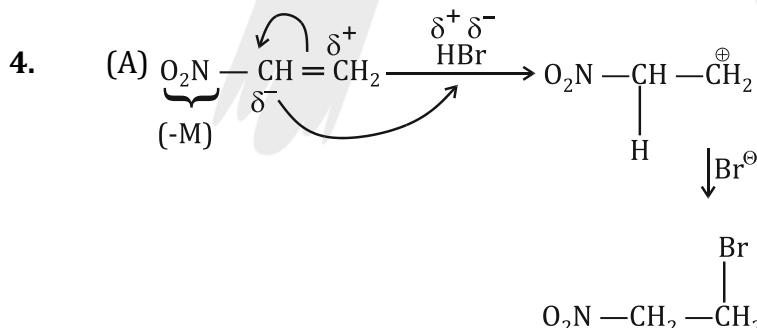
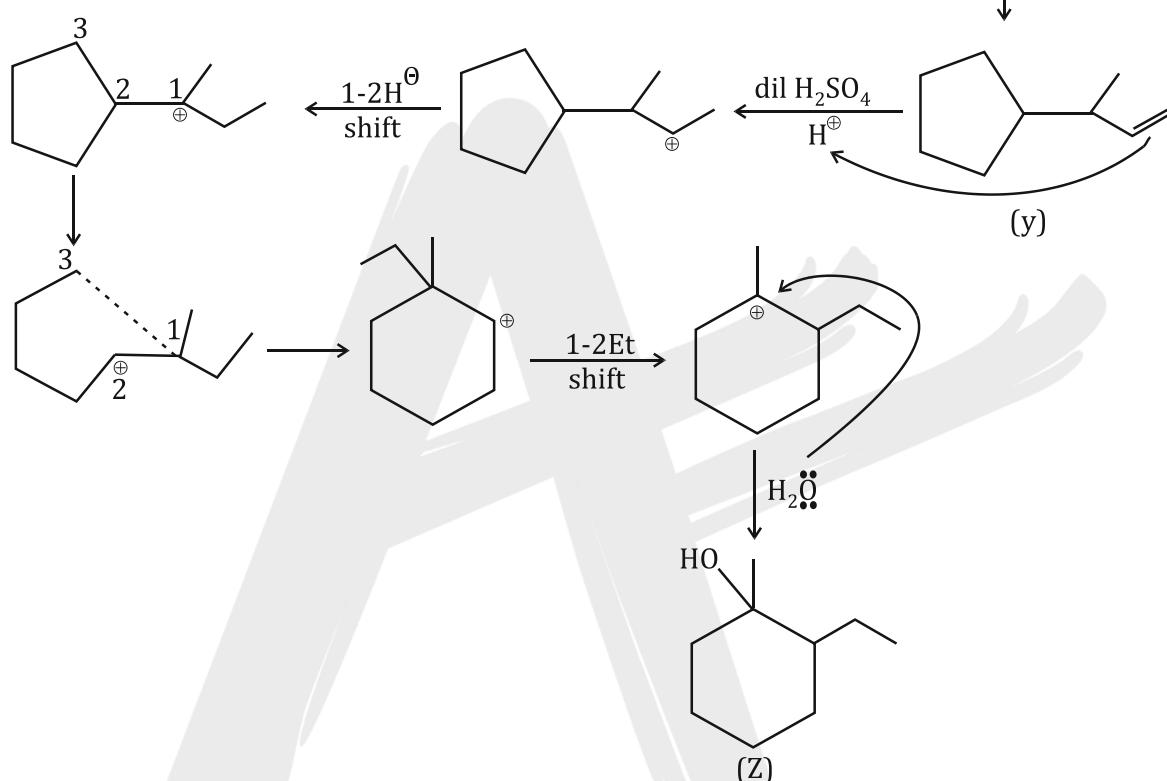
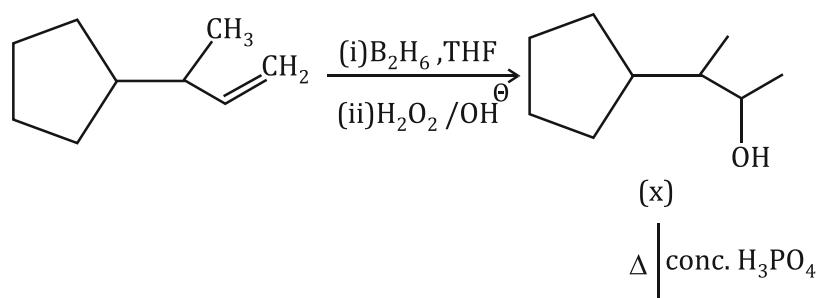
Sol. 1-Methylcyclopentene



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3. (A)

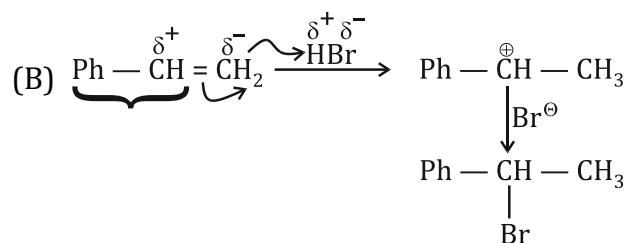
Sol.



Anti Markovnikov addition

Reaction Intermediate is classical carbocation.

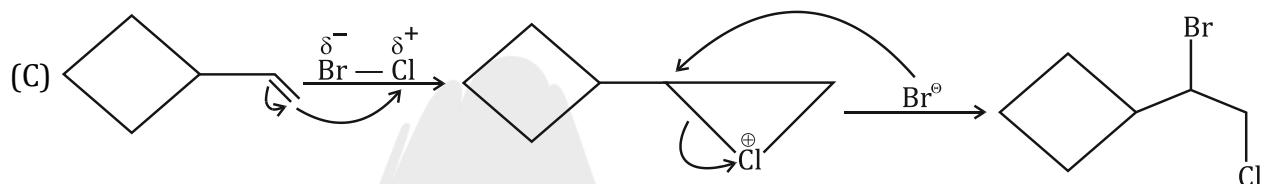
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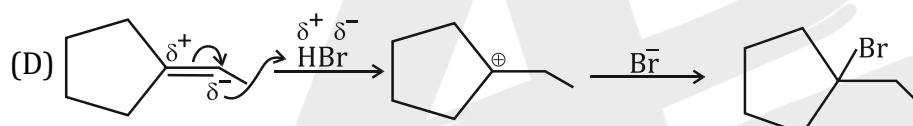
⇒ Due to Ph Ring positive charge is more stable

Markovnikov addition

Reaction intermediate is classical carbocation.



→ NCC
→ Markovnikov addition

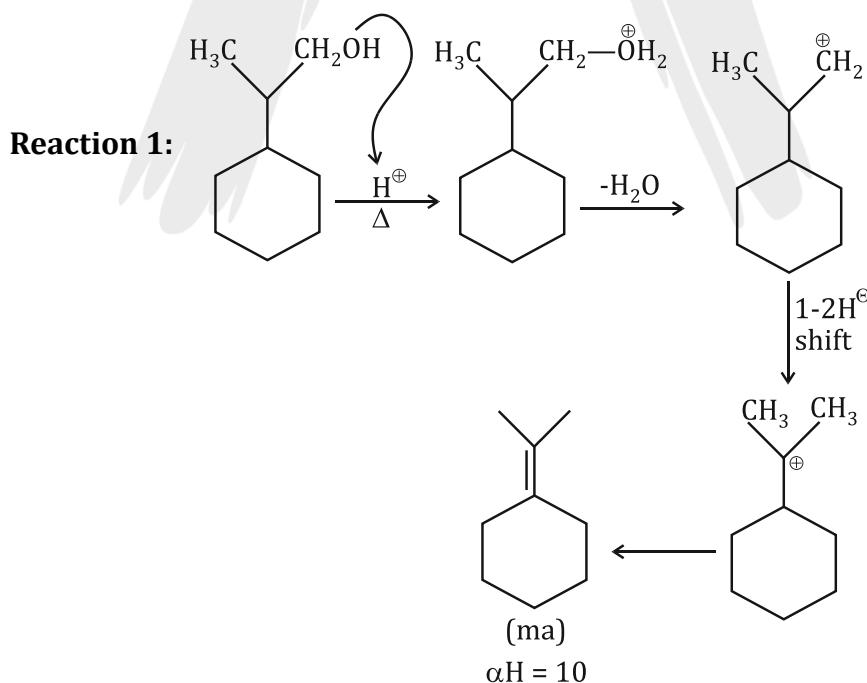


⇒ Reaction Intermediate is classical carbocation

⇒ Markovnikov addition

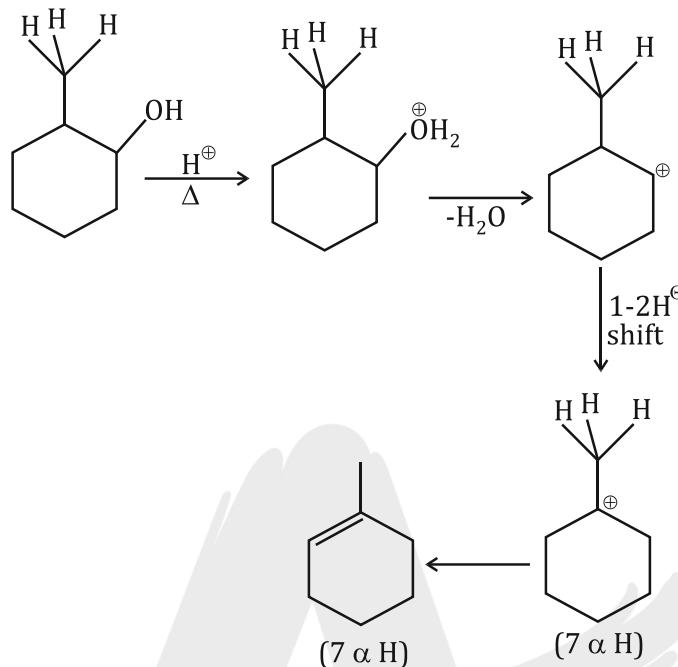
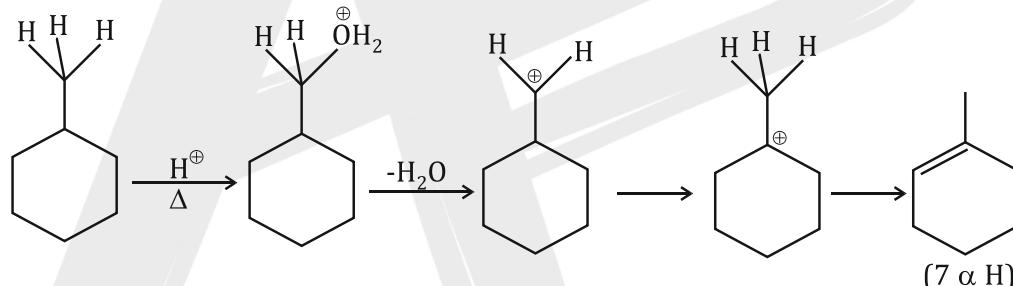
5. (24)

Total α H and equal to 24





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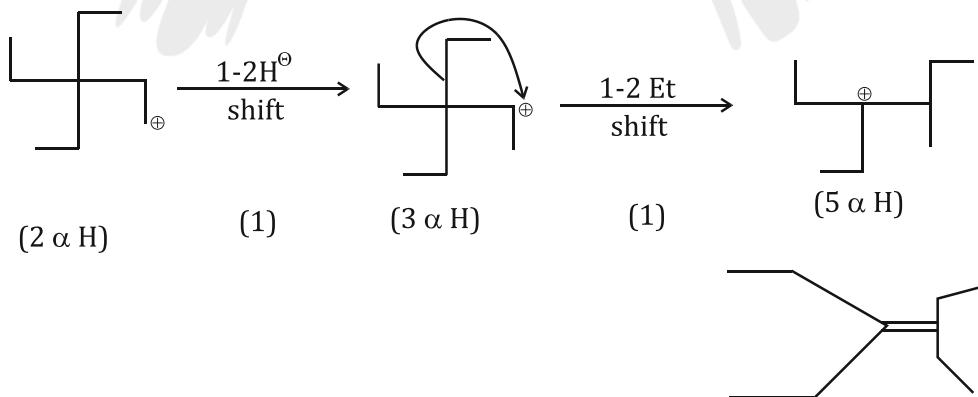
Reaction 2:**Reaction 3:**

$$A = 10, B = 7, C = 7, \text{ Then}$$

$$A + B + C = 10 + 7 + 7 = 24$$

6. (2)

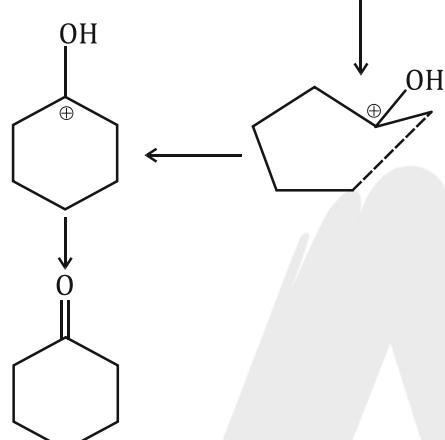
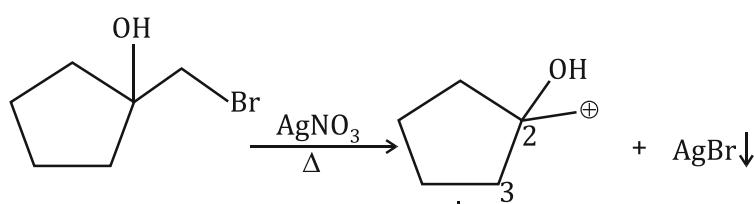
Sol. Total no. of 1.2 shift during the conversion of



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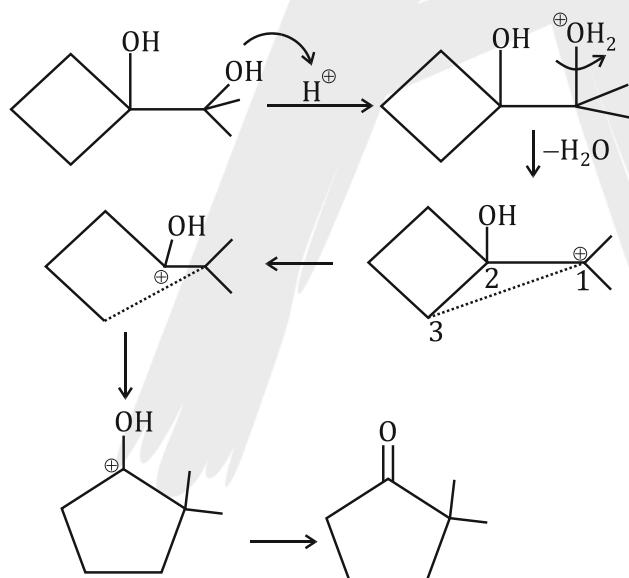
7. (A)

Sol



8. (B)

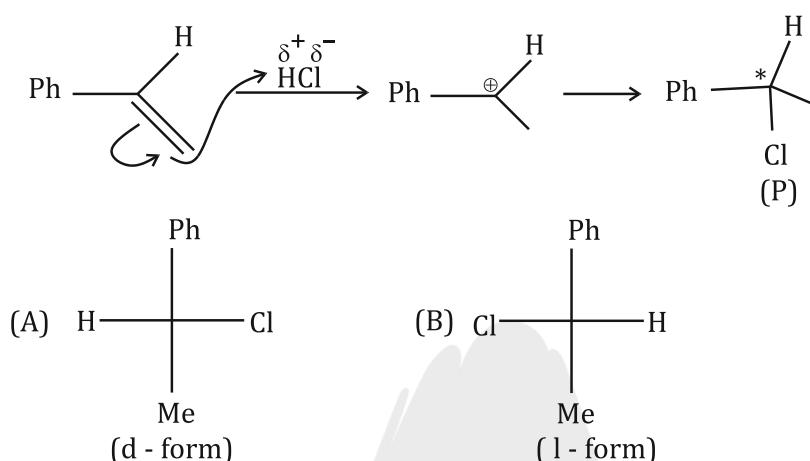
Sol



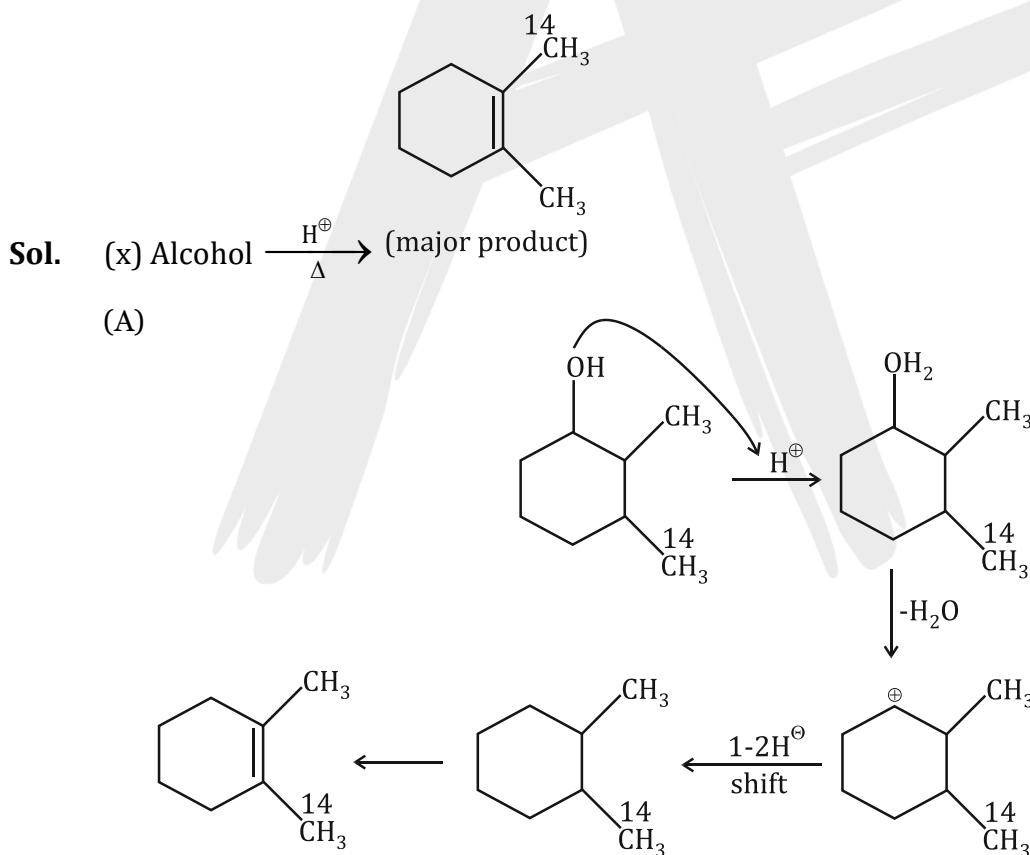
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9. (D)

Sol. An equimolar mixhine (A) (B).

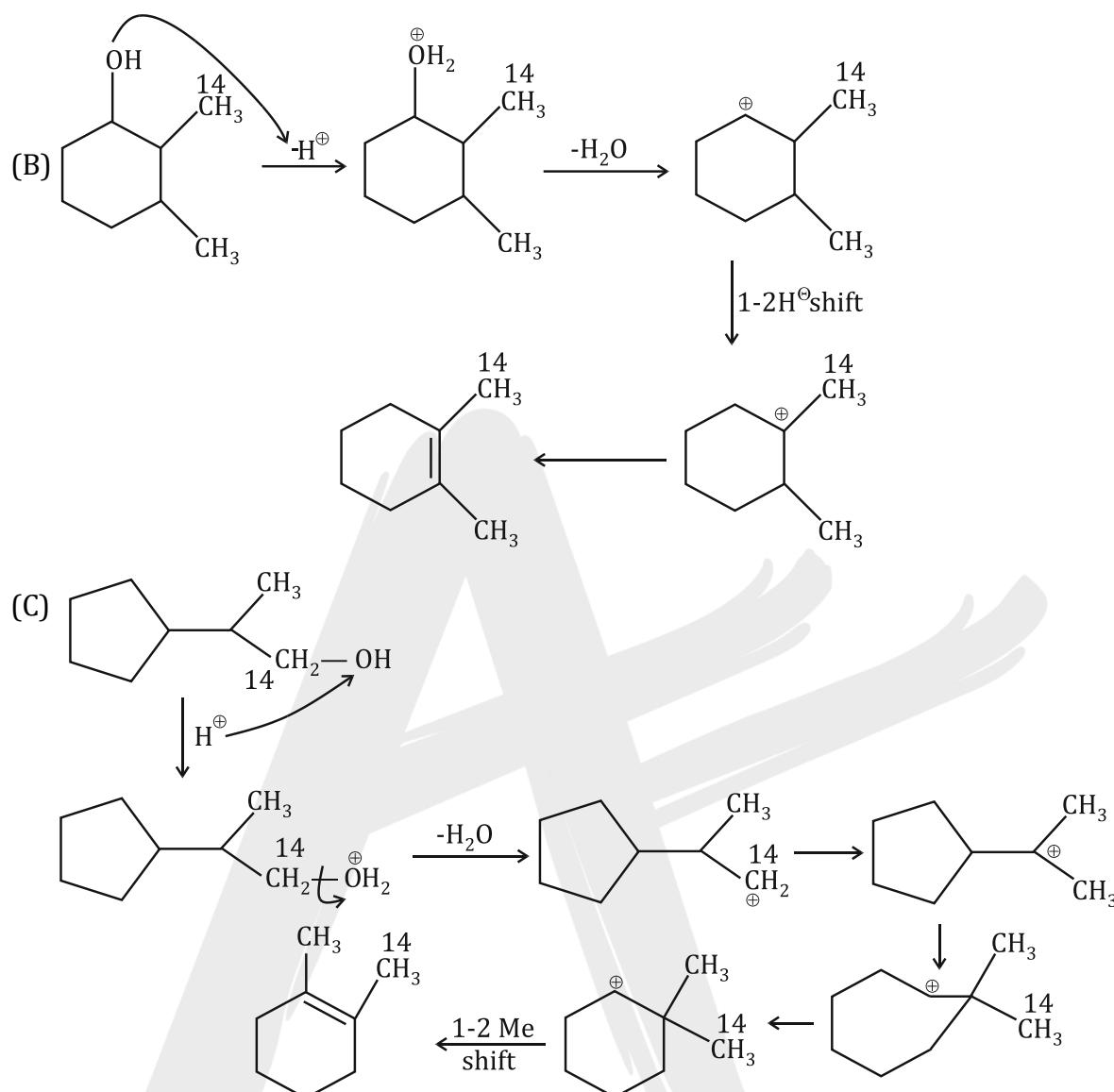


10. (A,B,C,D)





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