
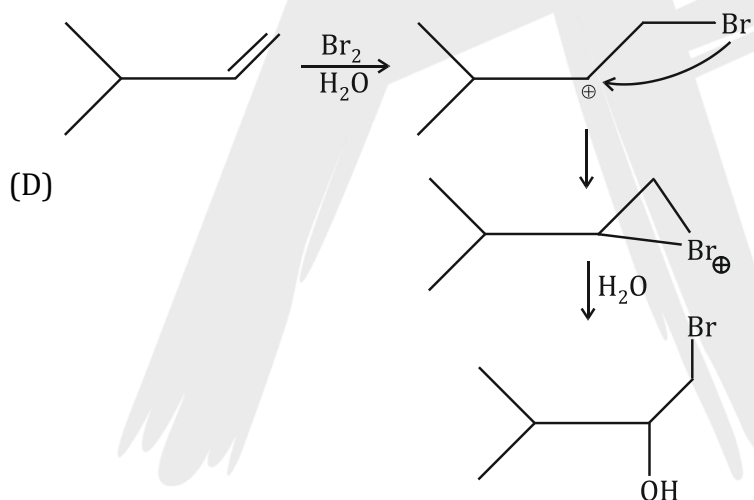
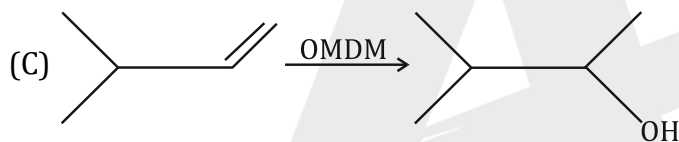
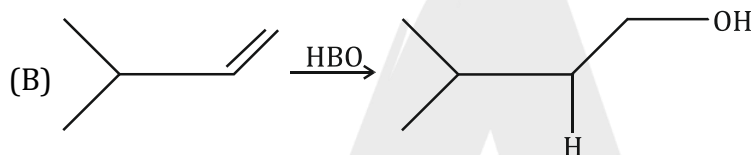
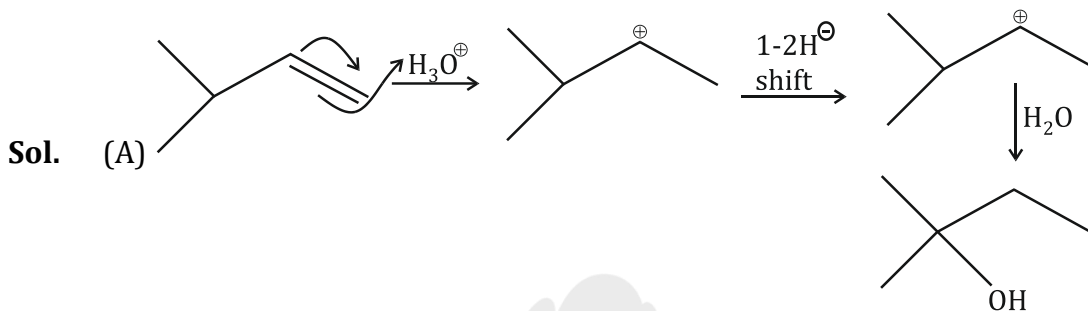


DPP-04
SOLUTION

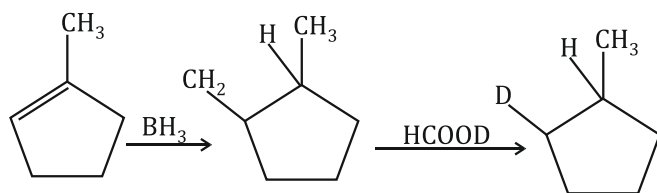
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1. (ABCD)



2. (B)

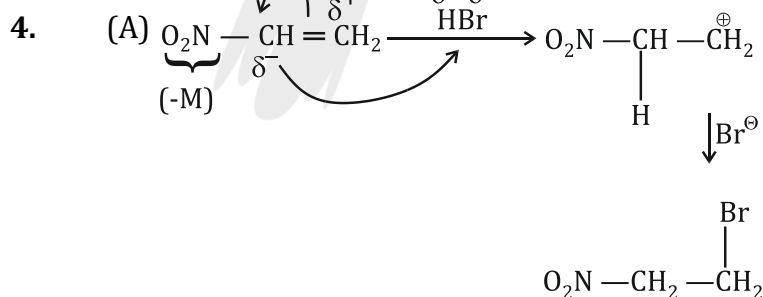
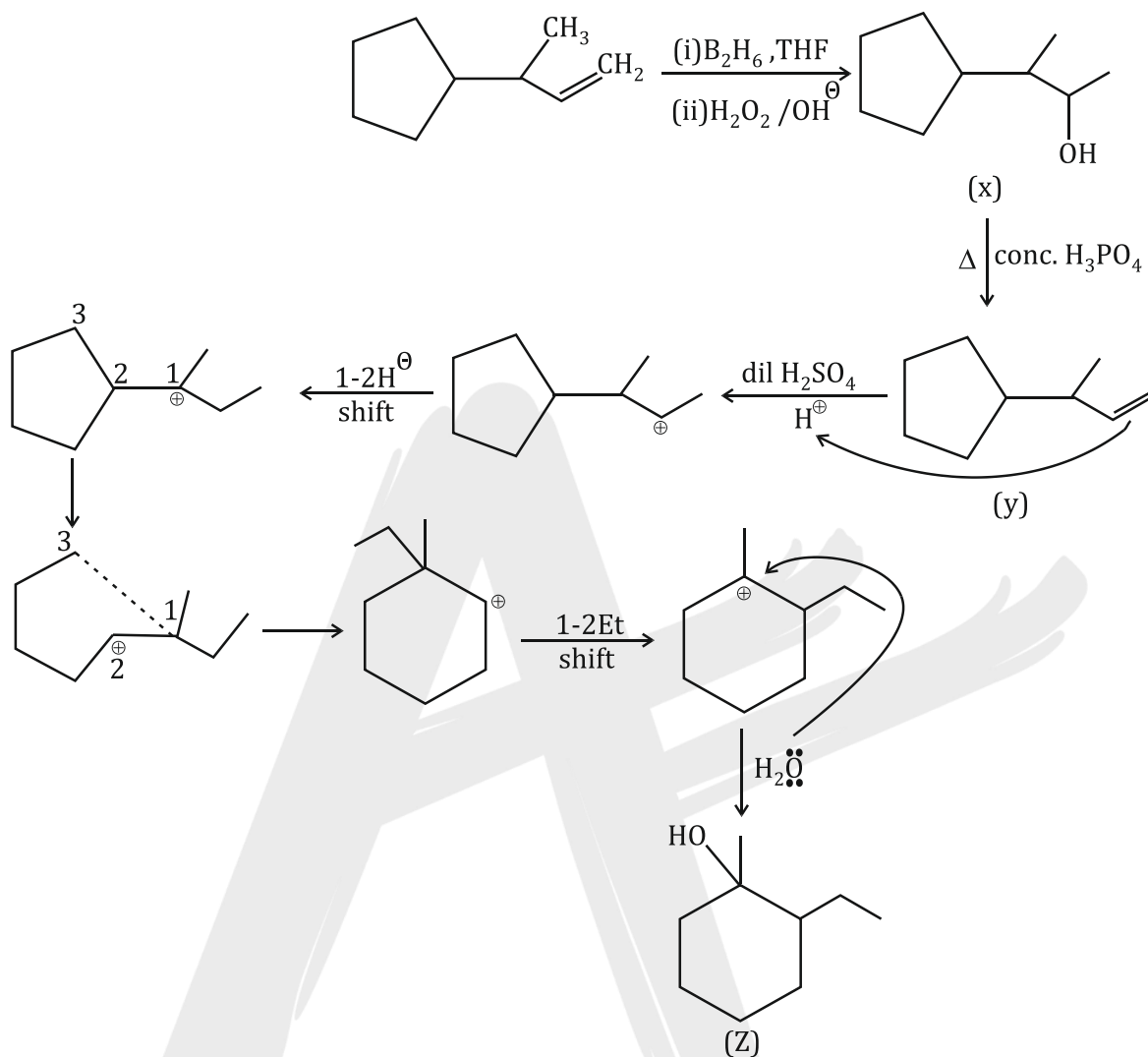
Sol. 1-Methylcyclopentene



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3. (A)

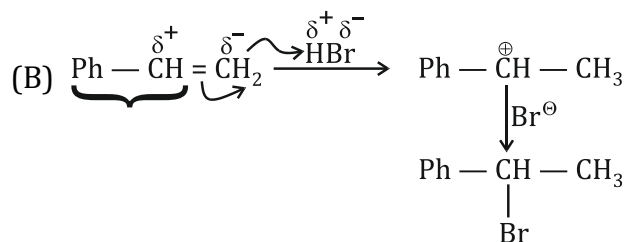
Sol.



Anti Markovnikov addition

Reaction Intermediate is classical carbocation.

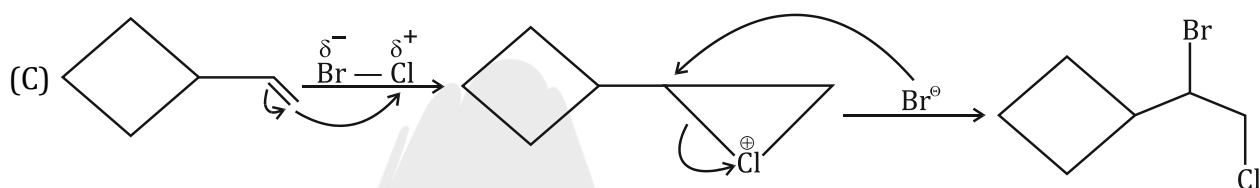
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⇒ Due to Ph Ring positive charge is more stable

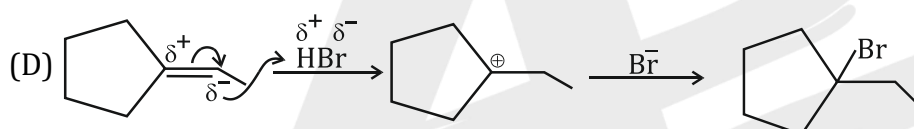
Markovnikov addition

Reaction intermediate is classical carbocation.



→ NCC

→ Markovnikov addition

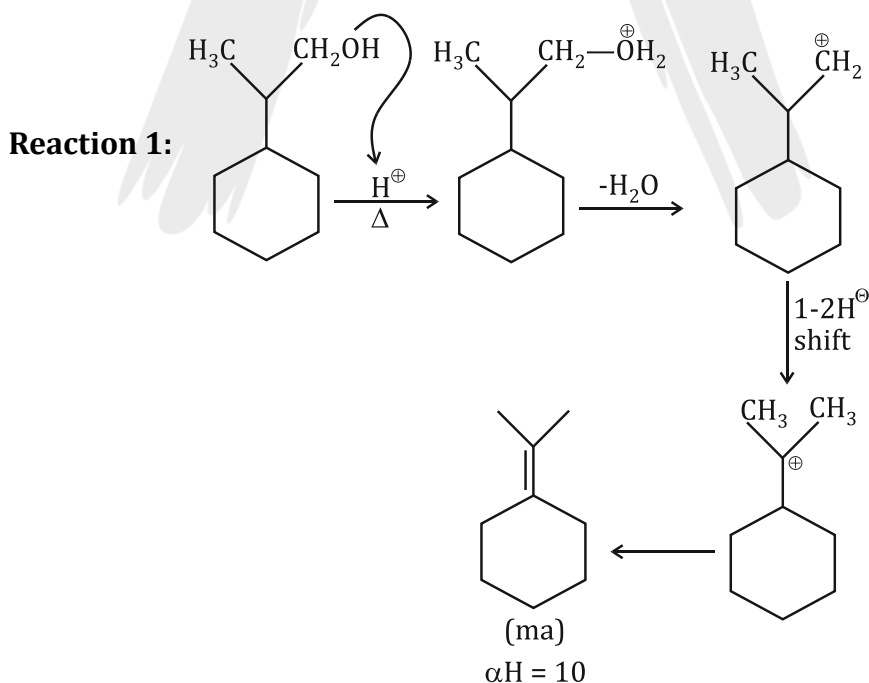


⇒ Reaction Intermediate is classical carbocation

⇒ Markovnikov addition

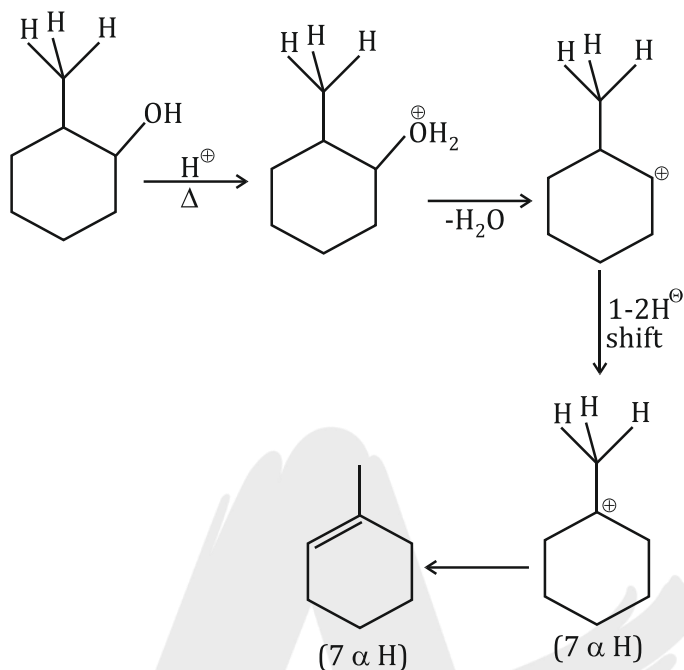
5. (24)

Total αH and equal to 24

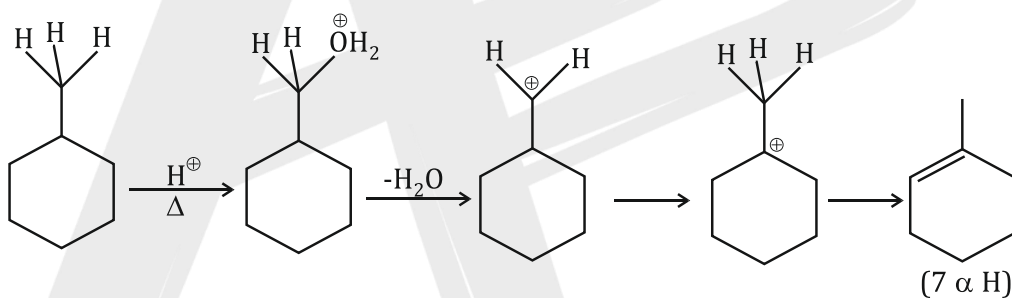


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Reaction 2:



Reaction 3:

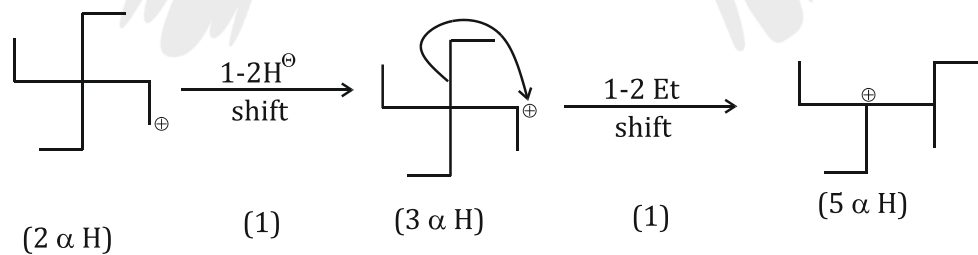


A = 10, B = 7, C = 7, Then

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

6. (2)

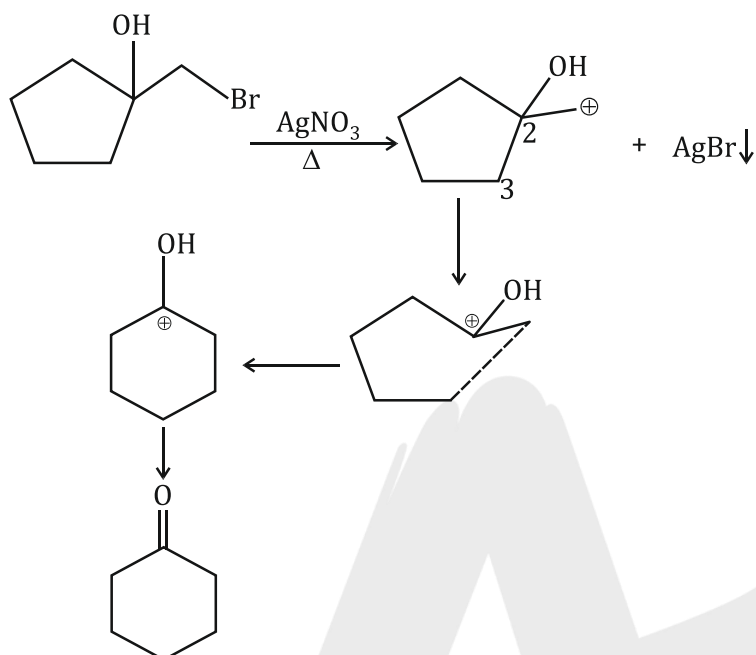
Sol. Total no. of 1,2 shift during the conversion of



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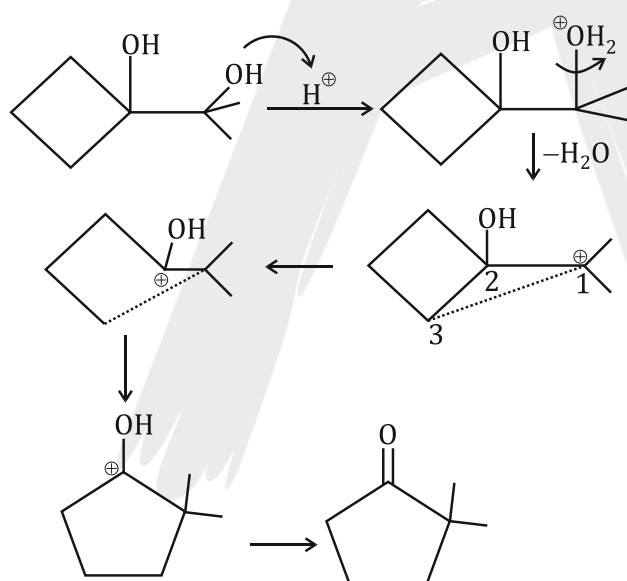
7. (A)

Sol



8. (B)

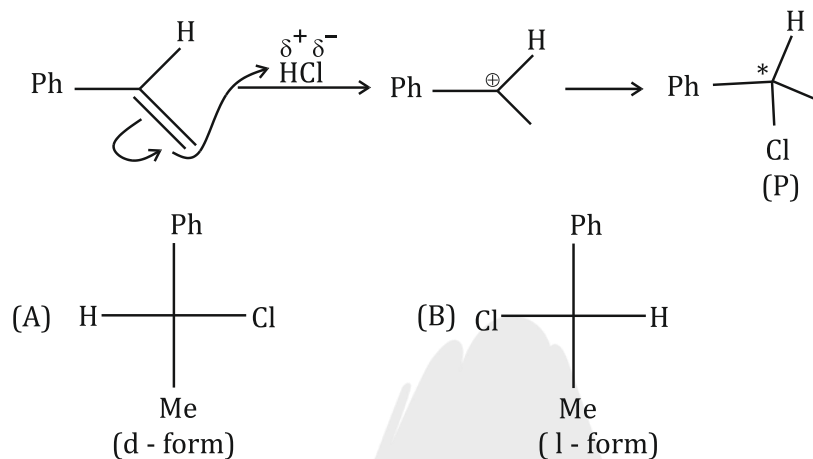
Sol



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9. (D)

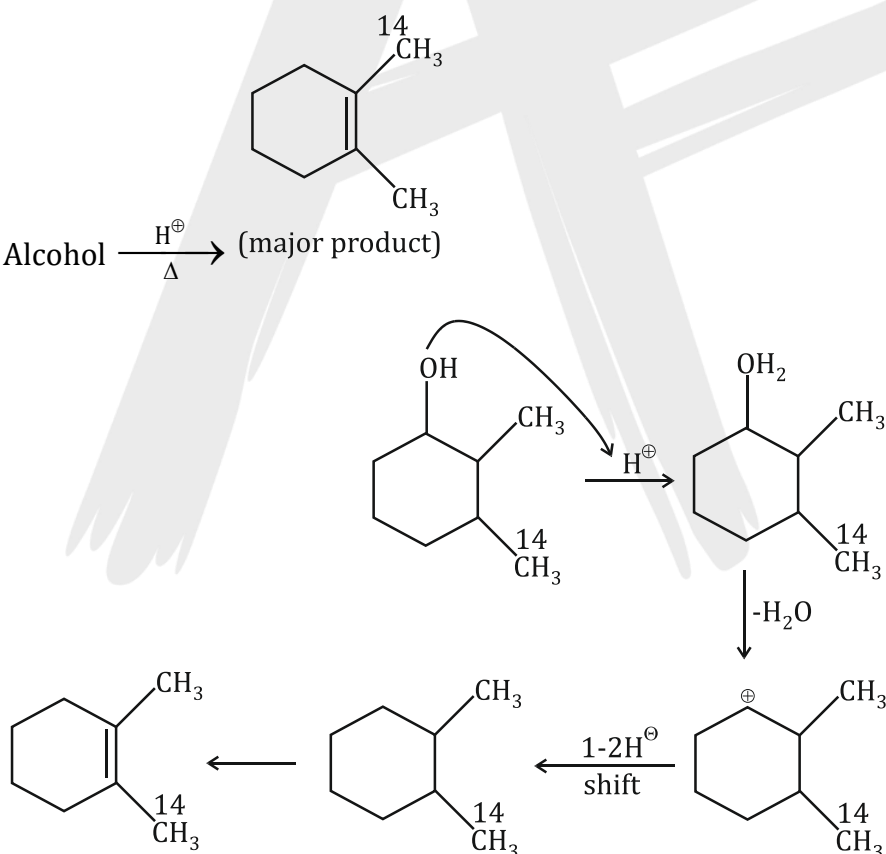
Sol. An equimolar mixture (A) (B).



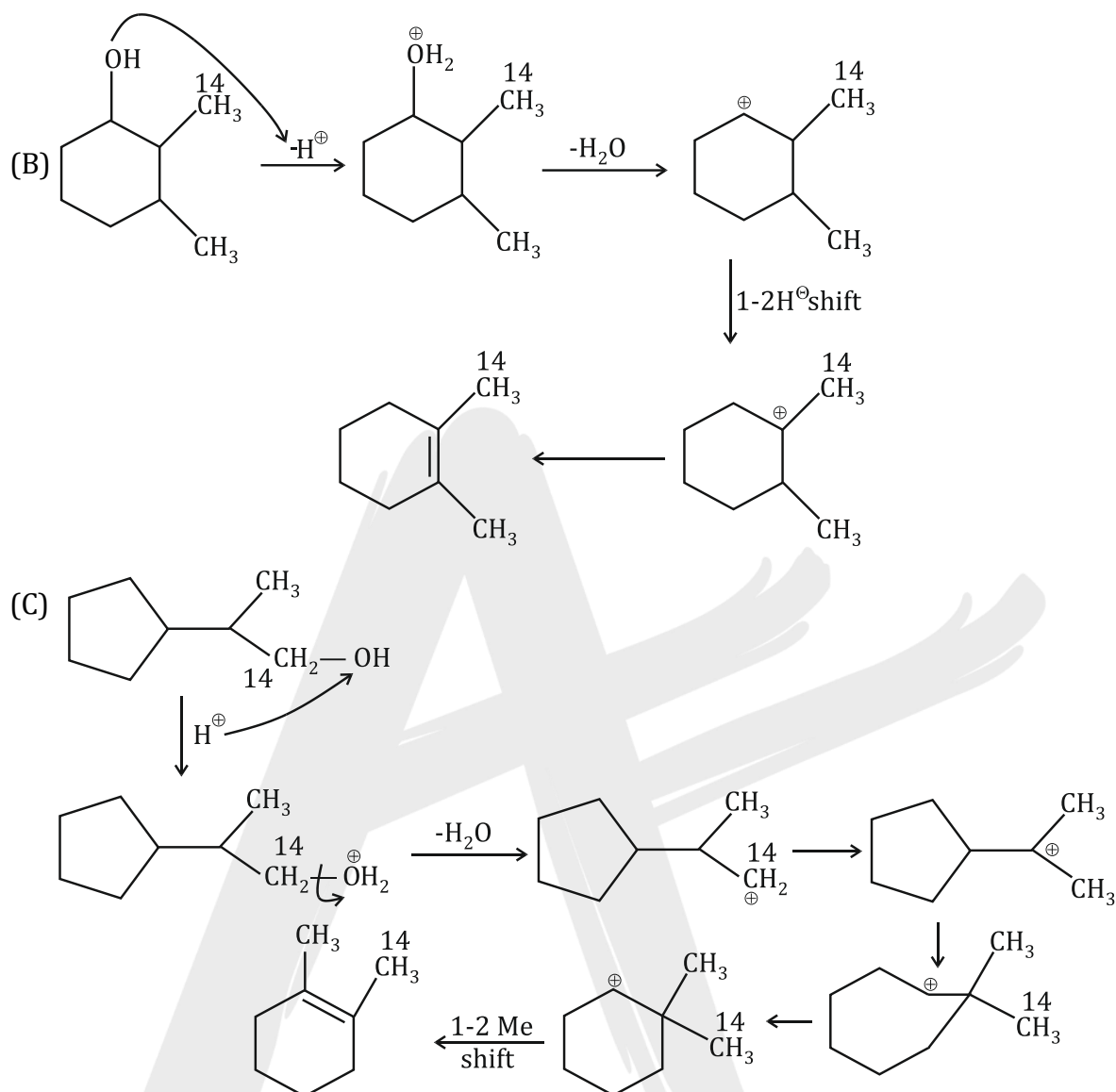
10. (A,B,C,D)

Sol. (x) Alcohol $\xrightarrow[\Delta]{H^+}$ (major product)

(A)



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