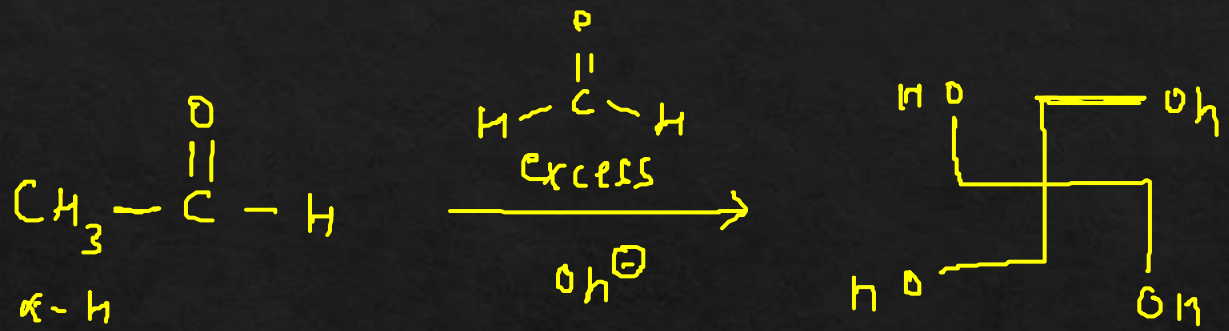
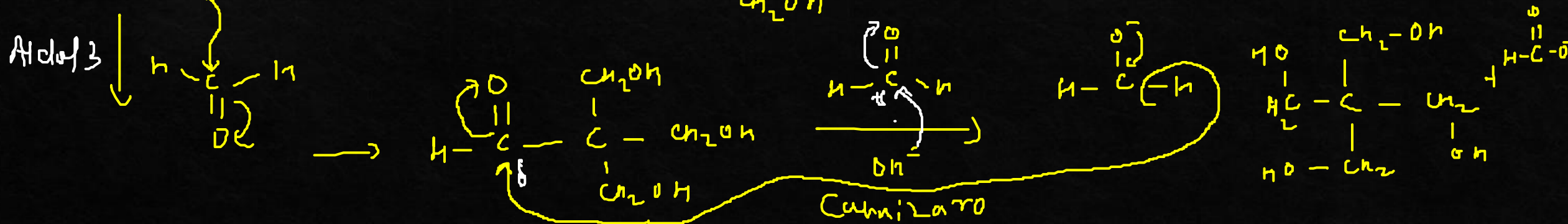
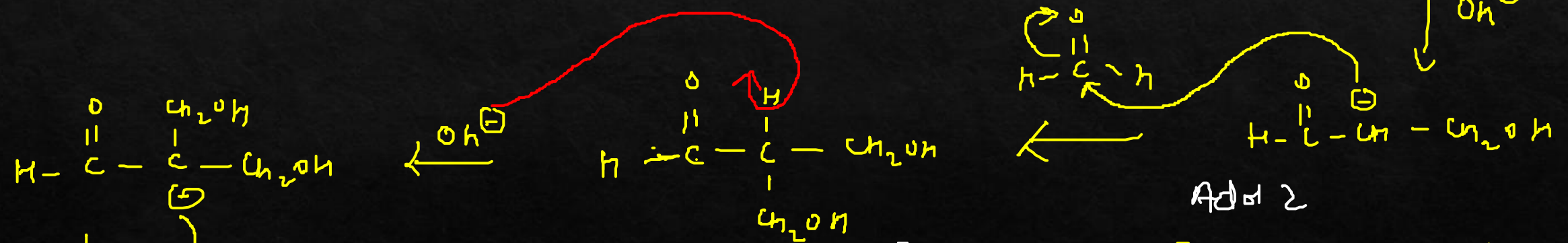
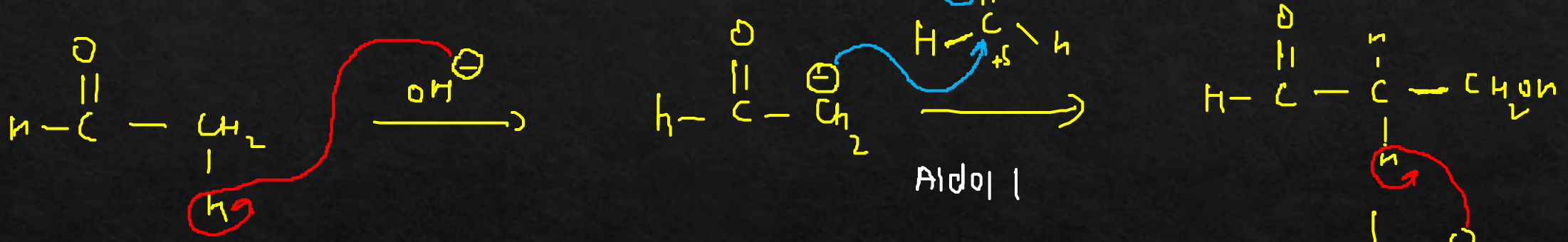


Q.1

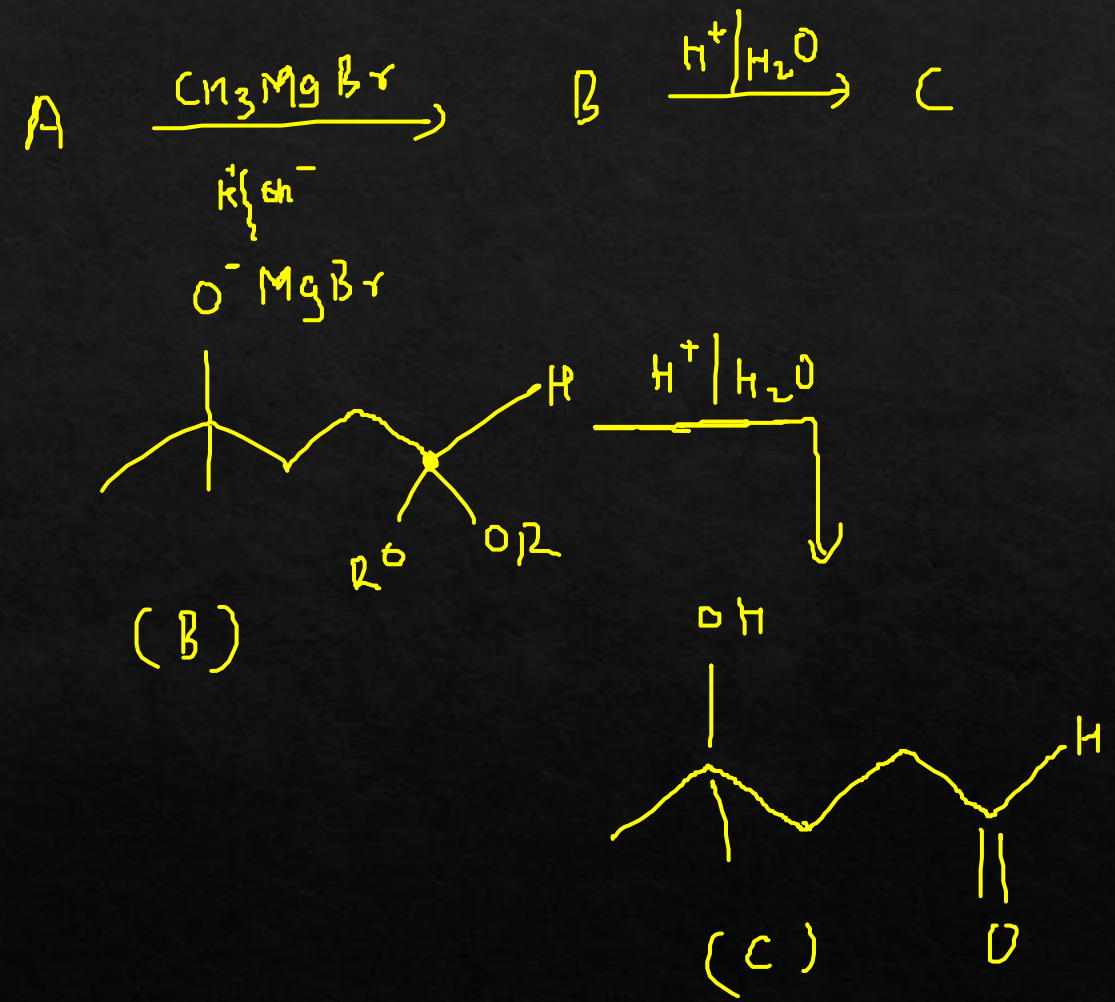
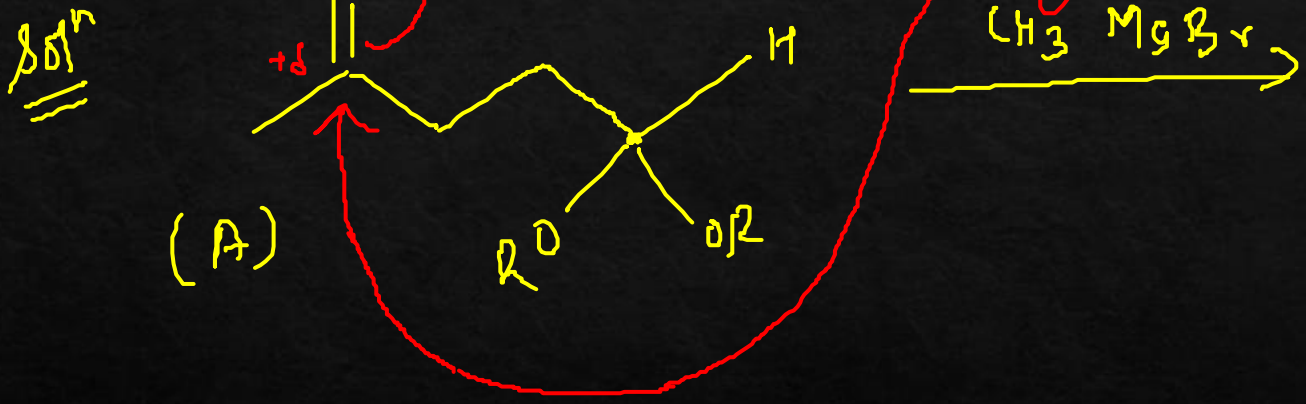
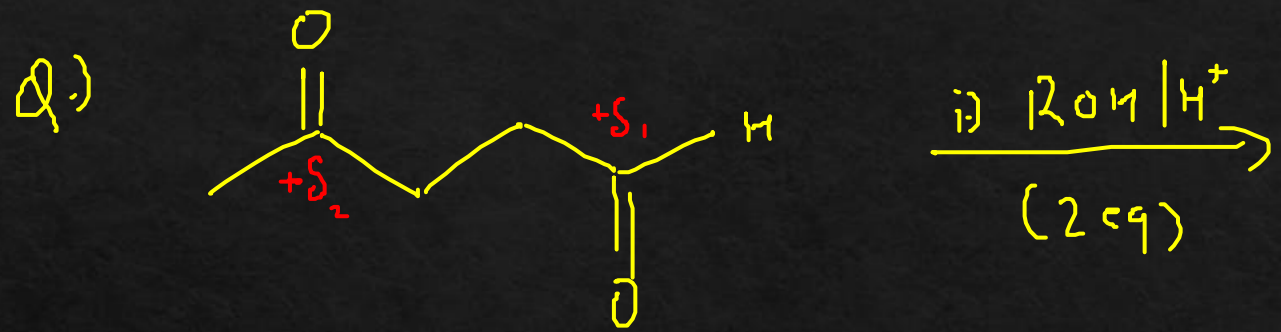


find no. of aldol reactions?

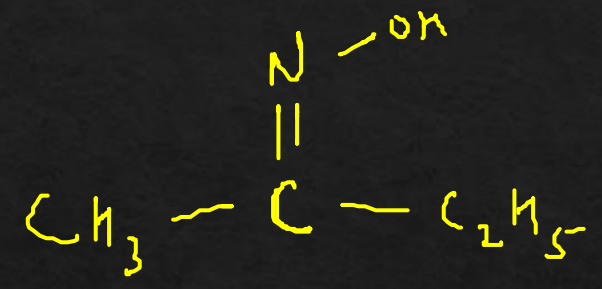
⇒  
⇒  
⇒



# Alddehydes & Ketones



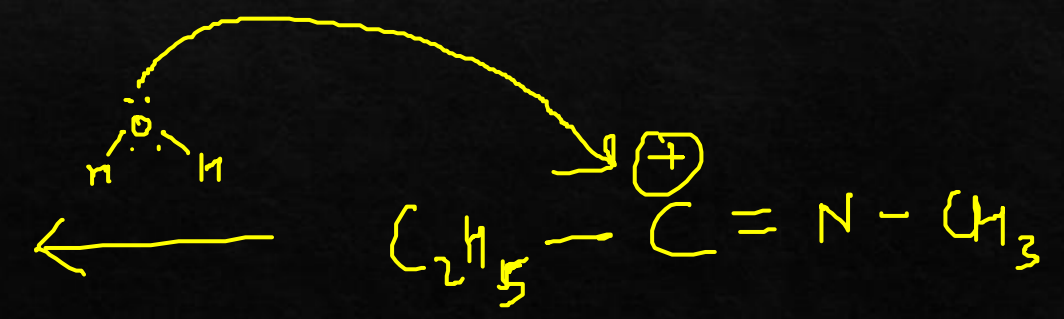
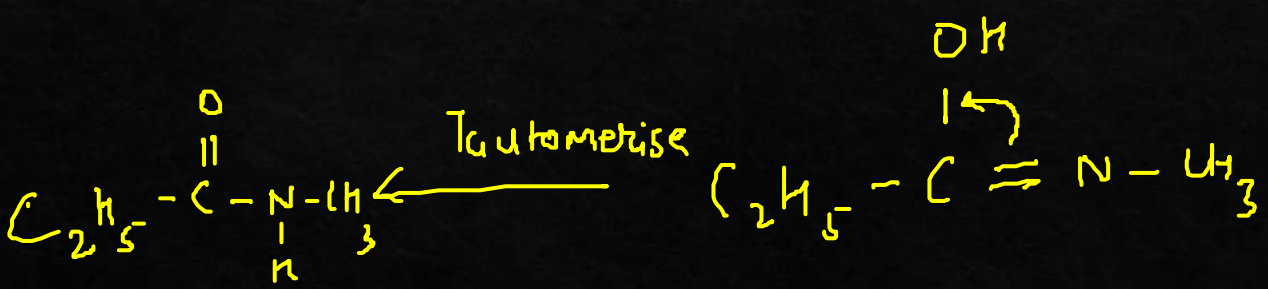
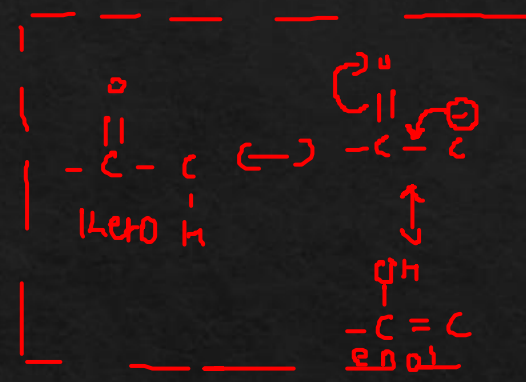
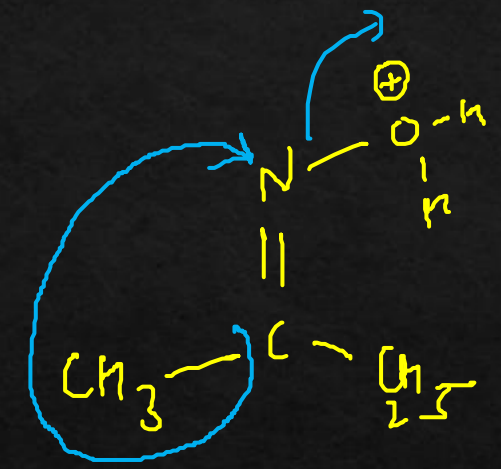
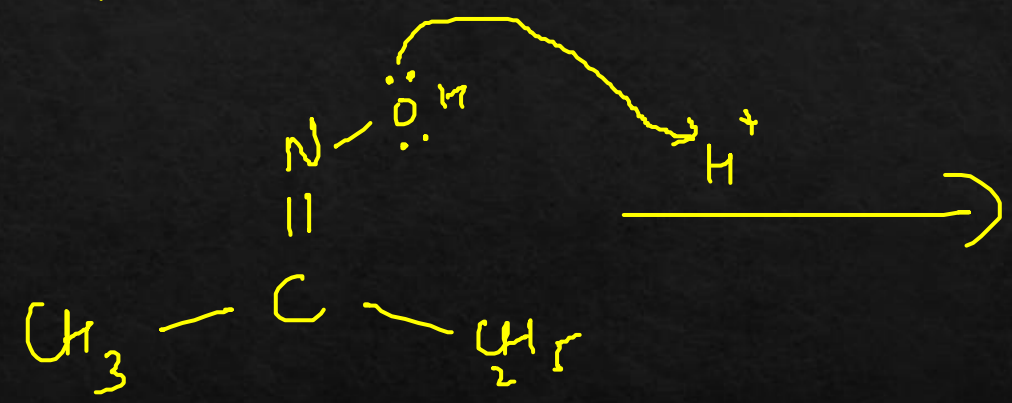
Q.)



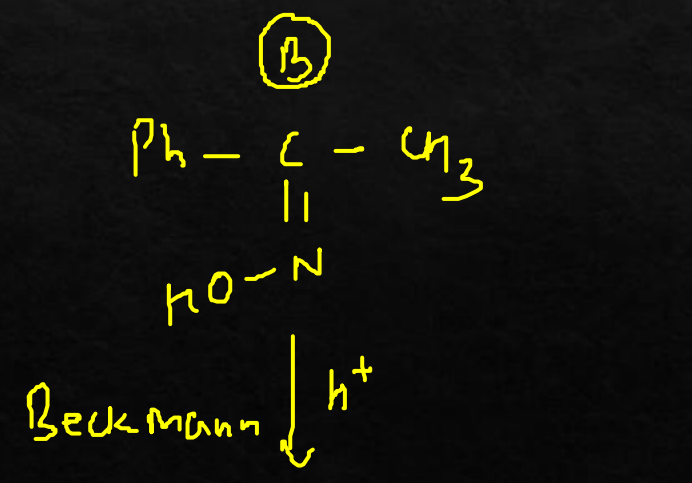
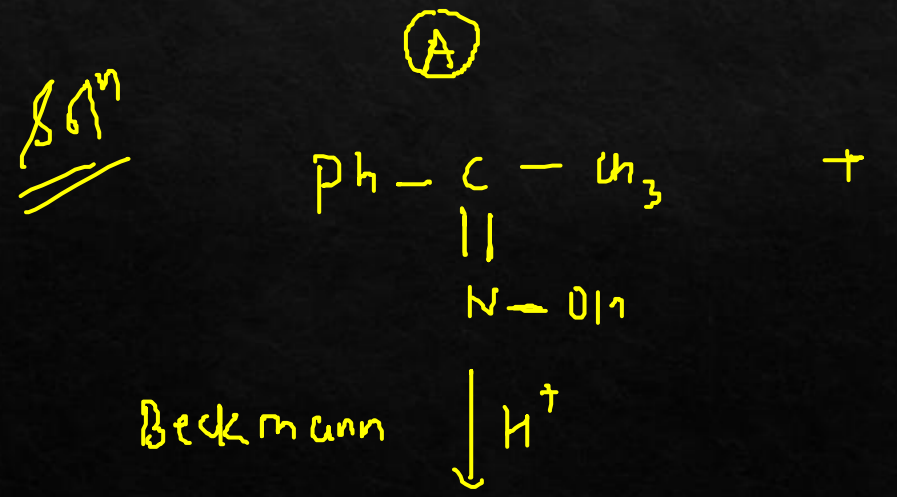
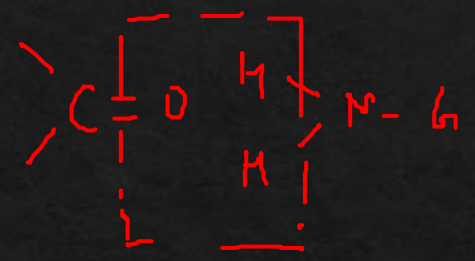
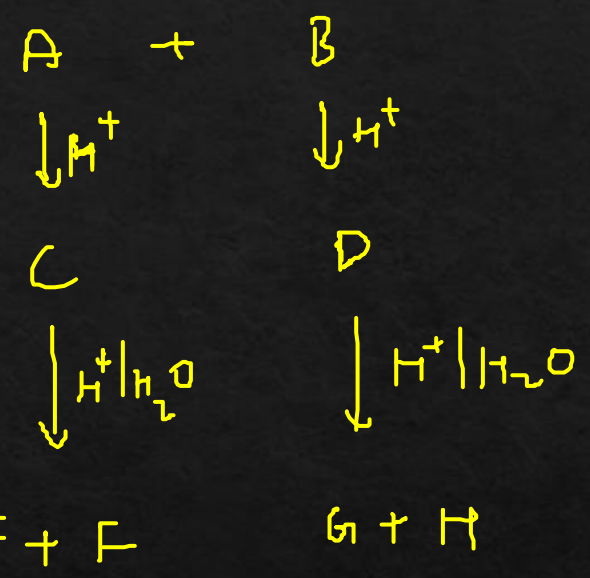
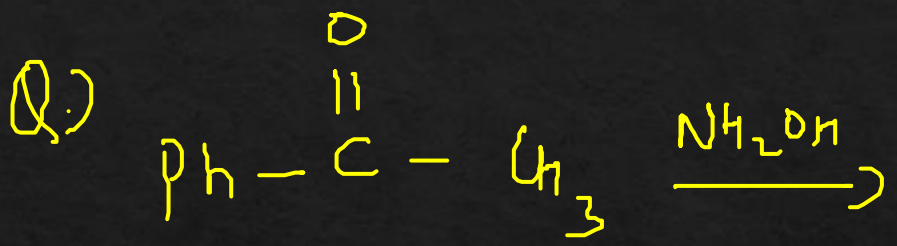
ketoxime

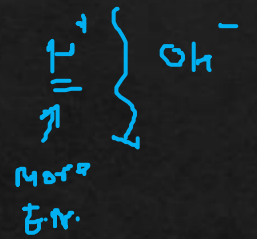
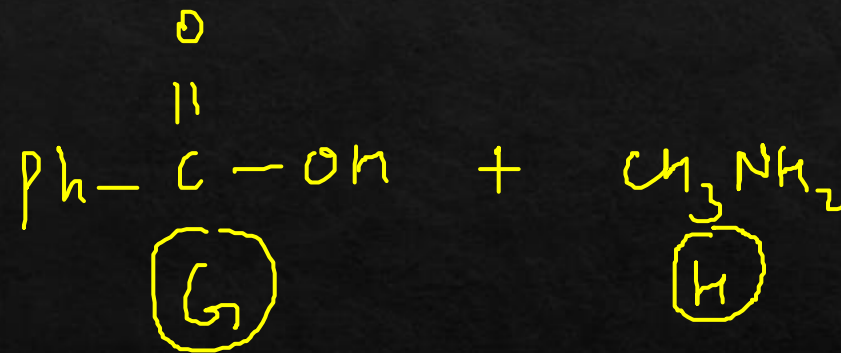
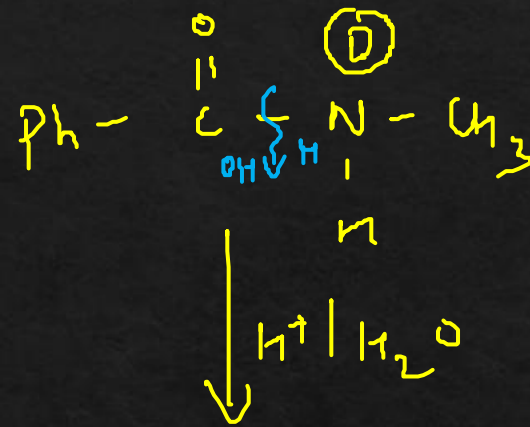
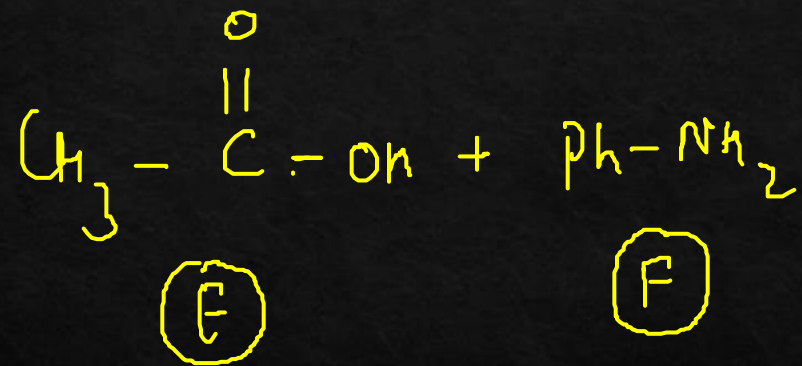
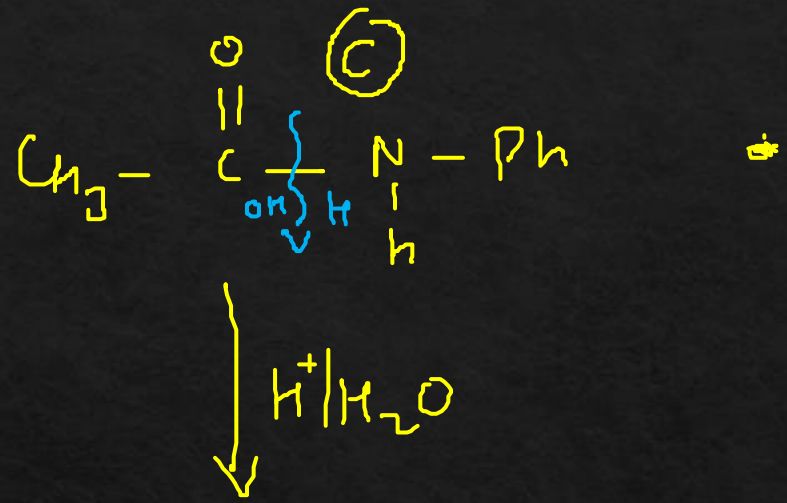
$\xrightarrow{\text{H}_2\text{SO}_4}$   
i) Beckmann Rearrangement  
ii) Anti-migration

80%  
=





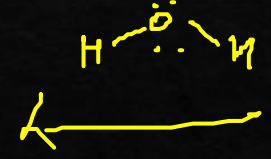
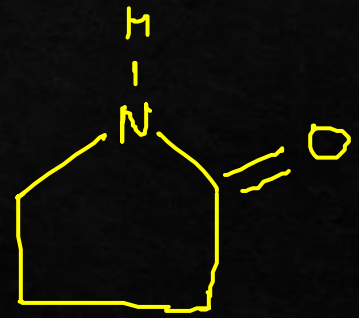
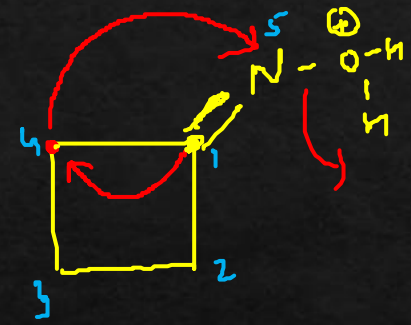
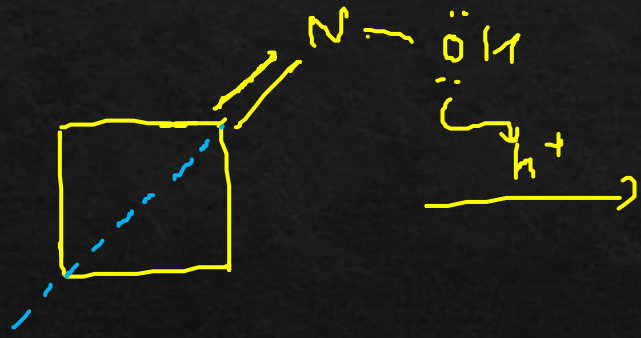
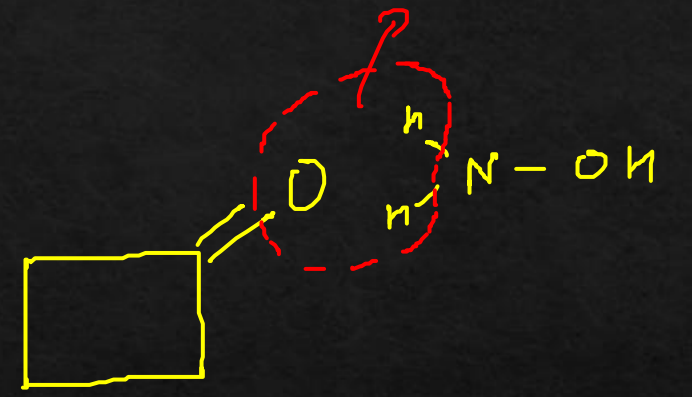


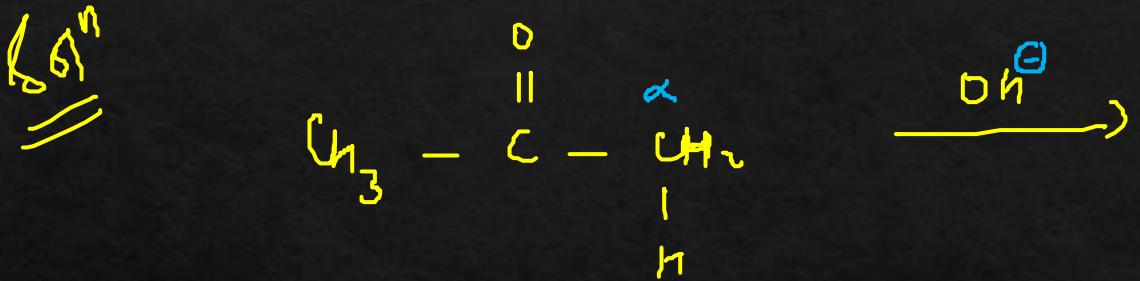
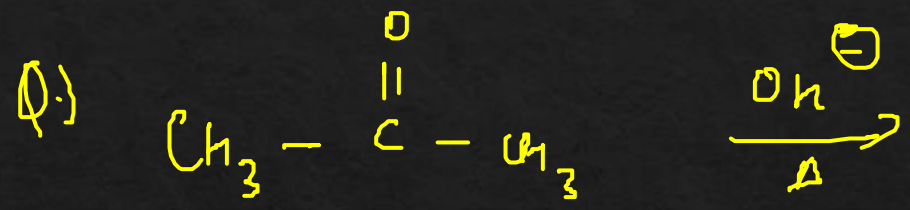


Q.)

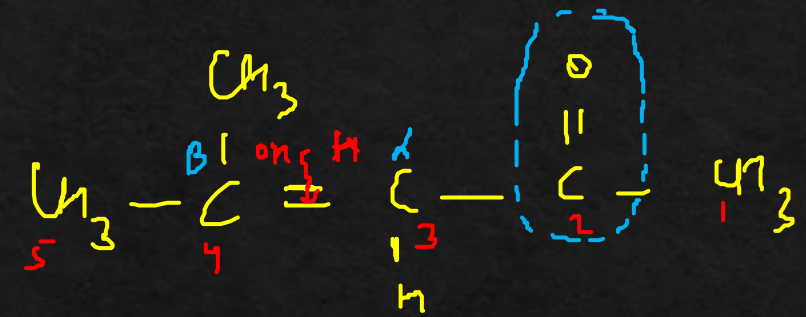


संज्ञक

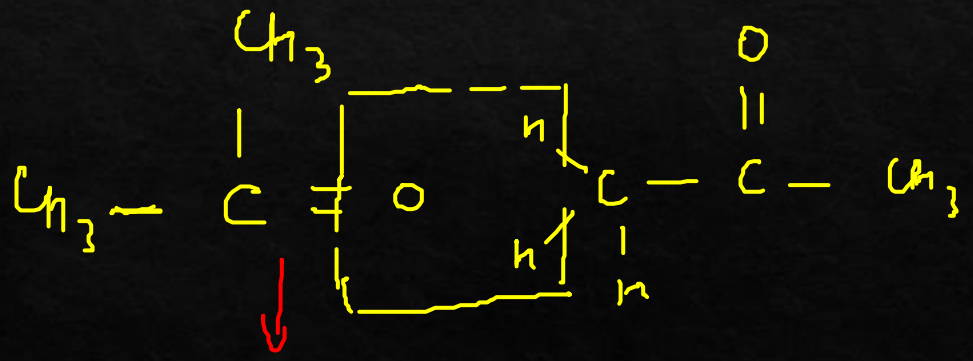




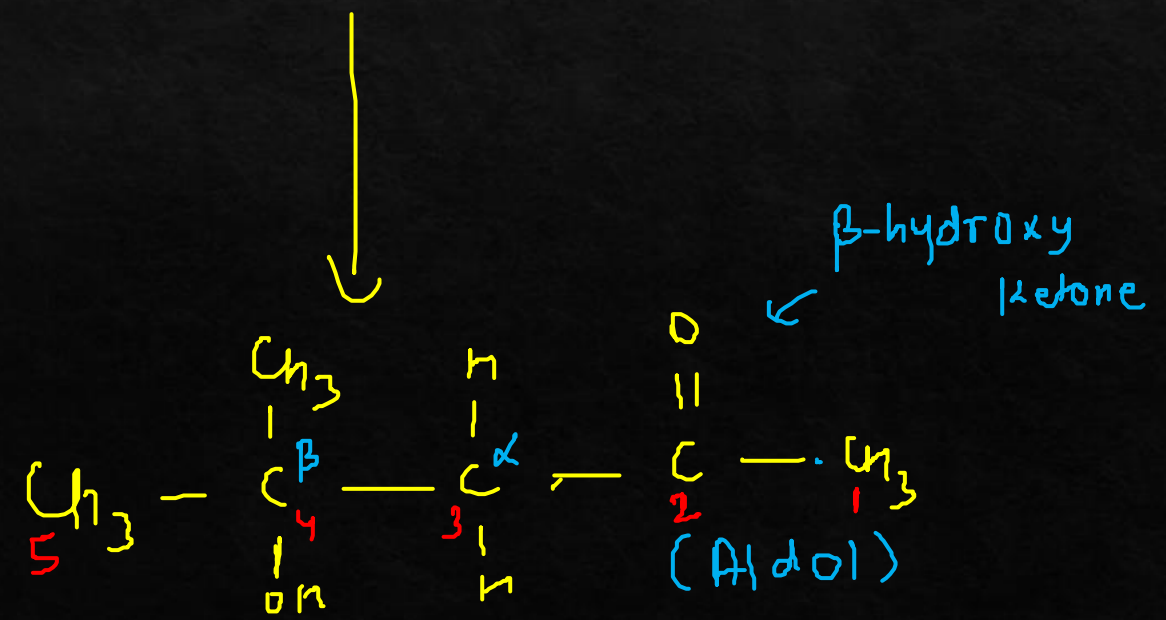
Aldol  $\rightarrow$   $\alpha$ -H is must



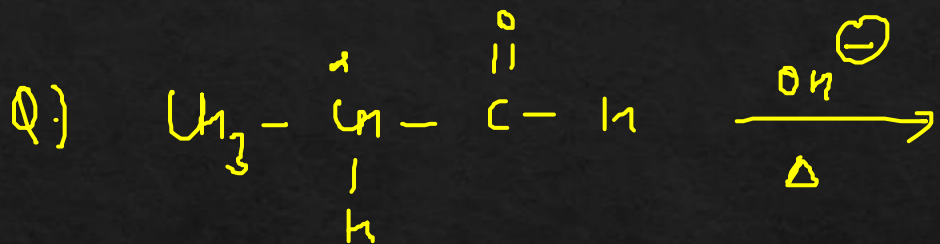
$\alpha, \beta$ -unsaturated ketone  
(Aldol condensed prod)



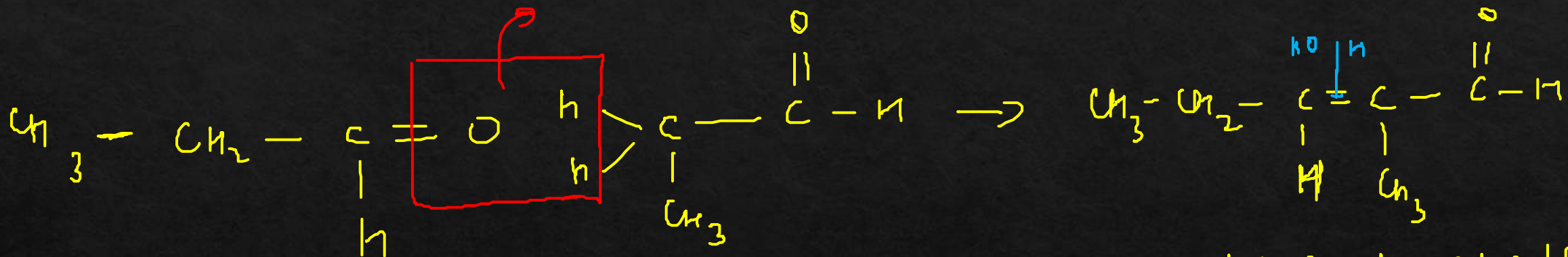
$> \text{C}=\text{O}$  comes from carbonyl group having more + $\delta$



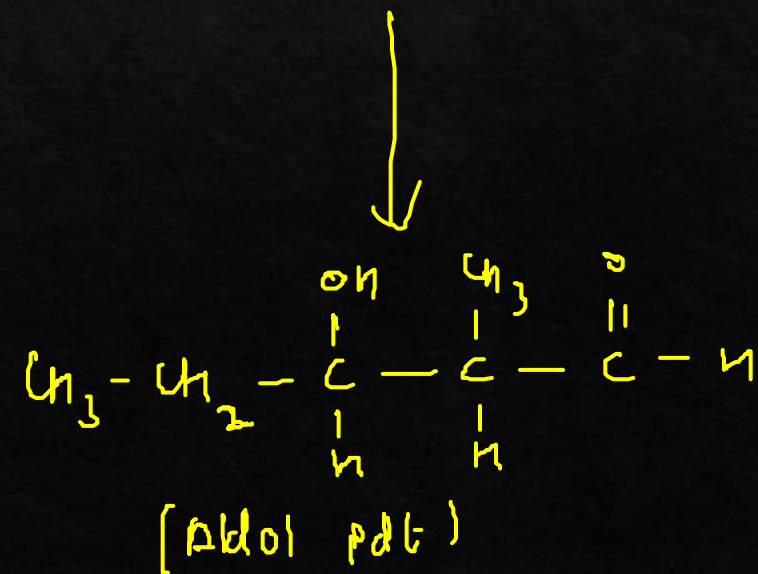




संश्लेषण



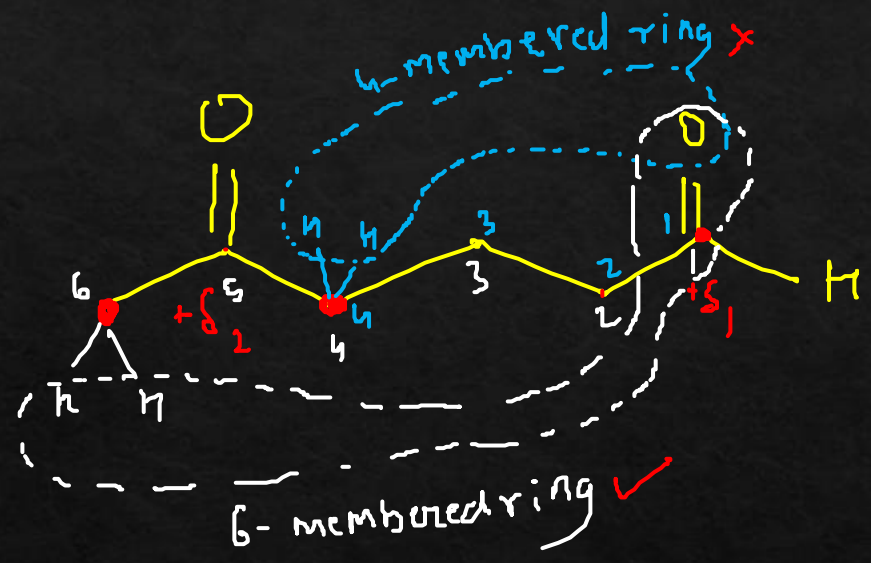
Alcohol condensed prod-



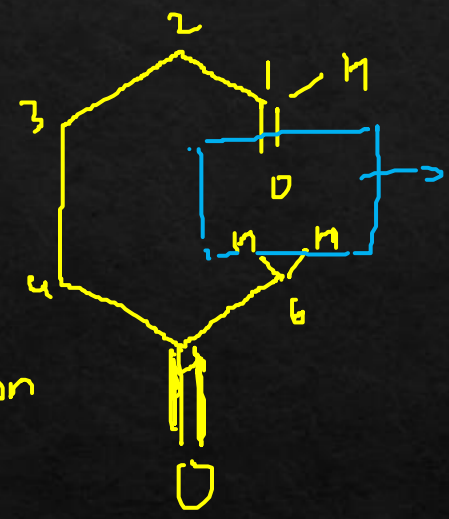




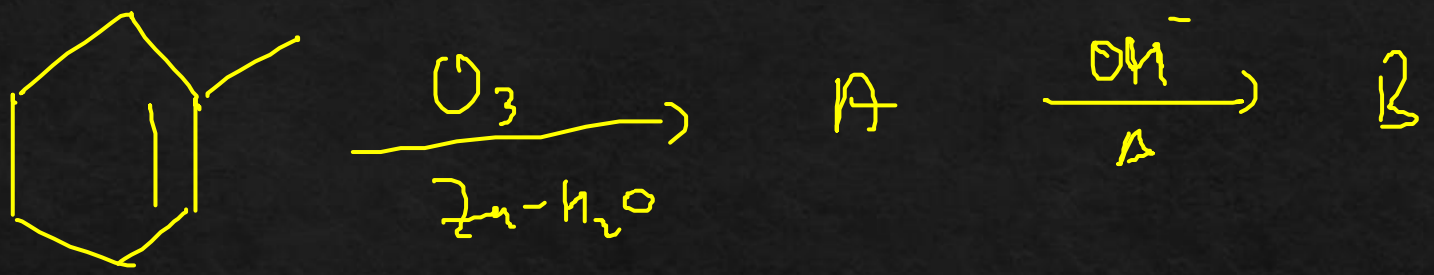
SSM



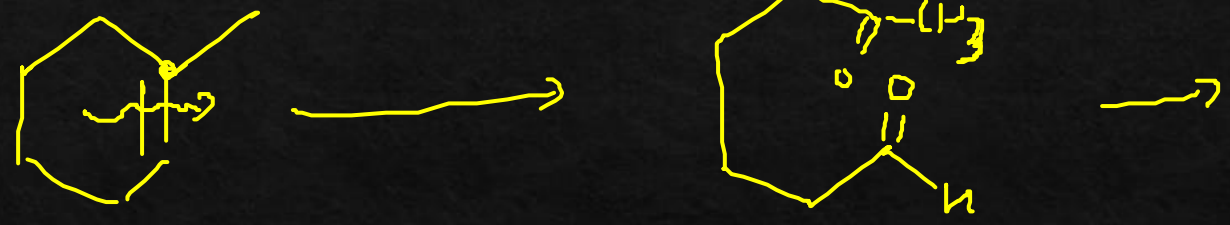
Intramolecular  
aldol condensation



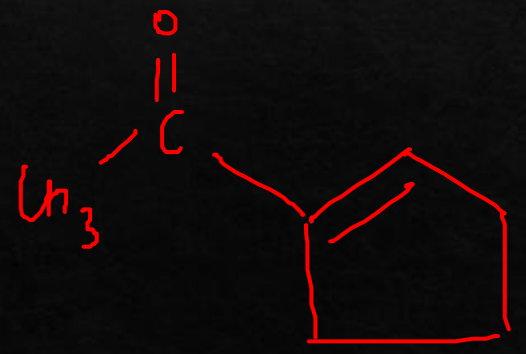
Q-)



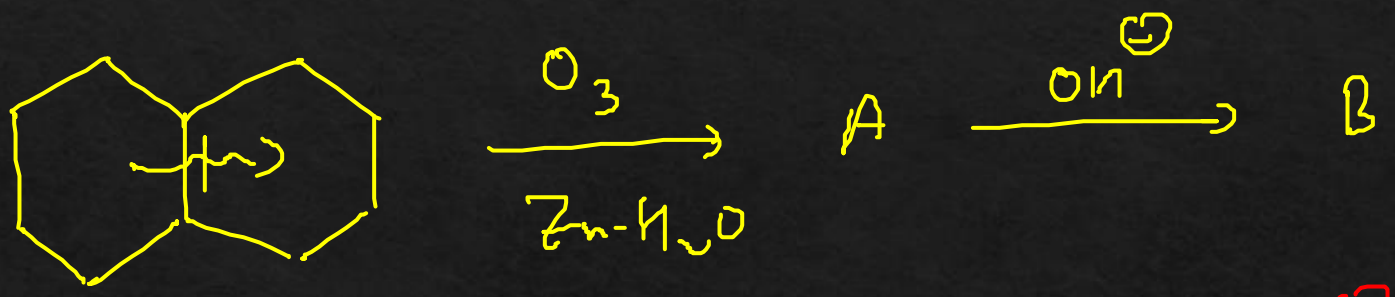
88<sup>n</sup>



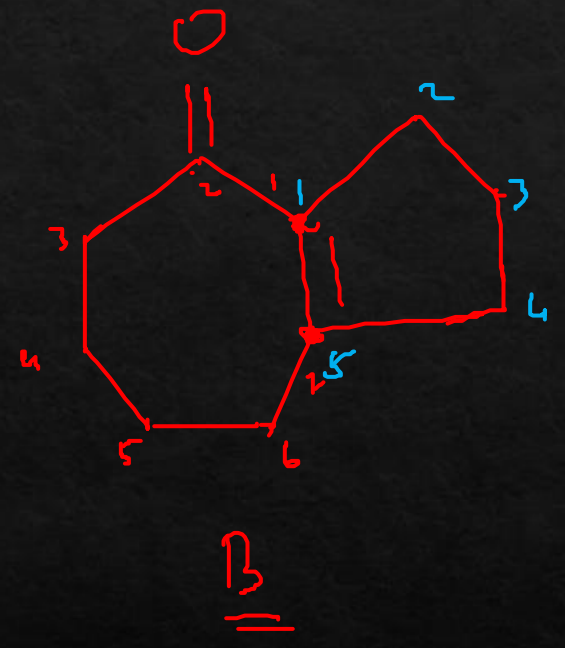
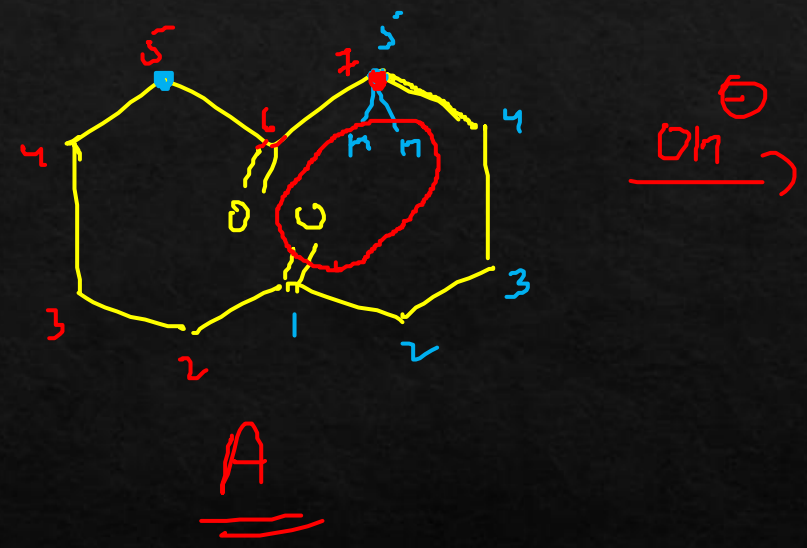
5-membered ring

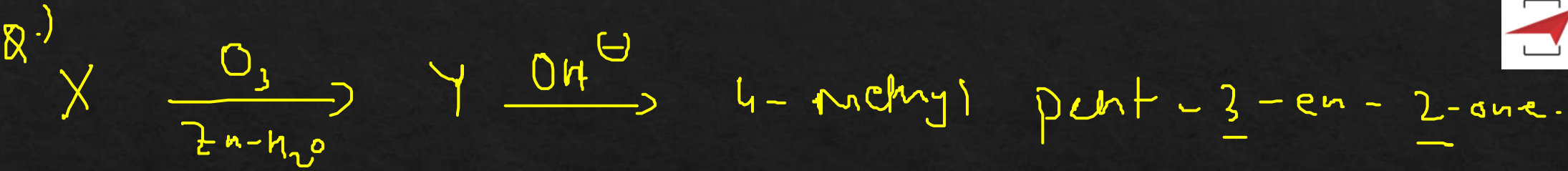


Q)

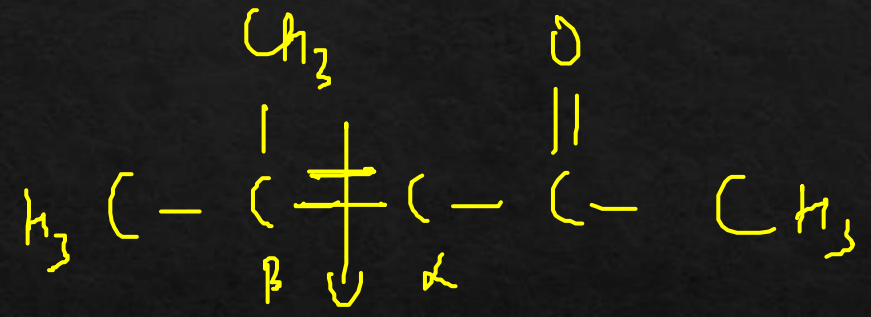


Soln





Sol<sup>n</sup>



α, β - unsaturated ketone  
↓  
implies aldol

