

D. B. College (Jaynagar) lect 1-16

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Ex. 10 $3\text{HCHO} + \text{CH}_3\text{CHO} \xrightarrow{\text{NaOH}}$ A. A found can

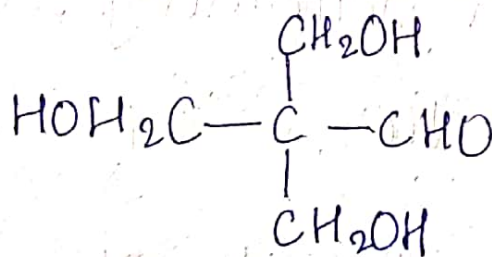
(A) Reduced Tollen's reagent

(B) Give Cannizzaro reaction

(C) React with Na

(D) Give green colour with $\text{Cr}_2\text{O}_7^{2-}/\text{H}^+$

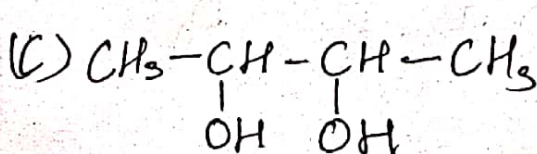
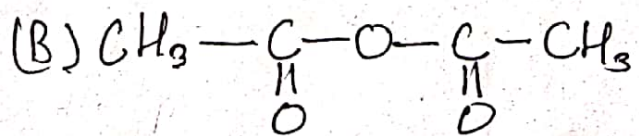
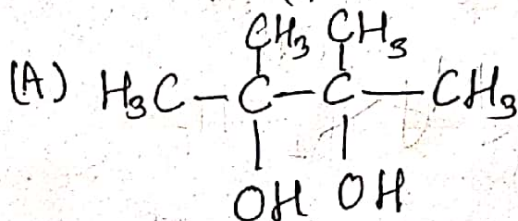
Soln. A is by aldol condensation



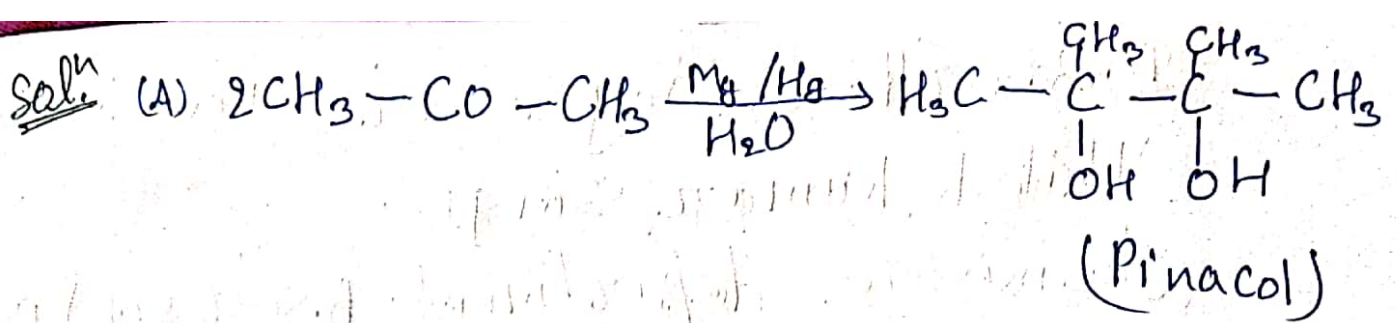
∴ (A), (B), (C) and (D)

Ex. 11 $2\text{CH}_3-\text{C}(=\text{O})-\text{CH}_3 \xrightarrow[\text{H}^+]{\text{Mg}/\text{H}_2}$ Product, Product in the

reaction is!

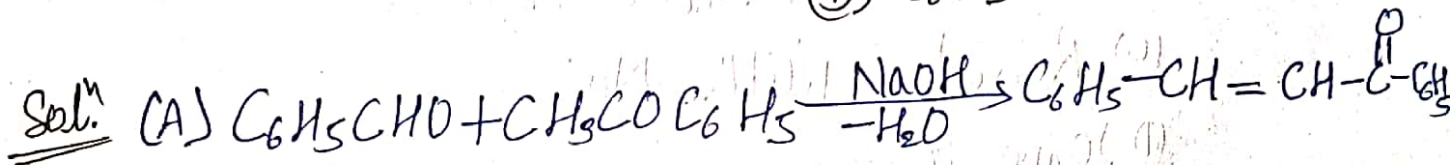


(D) None of these

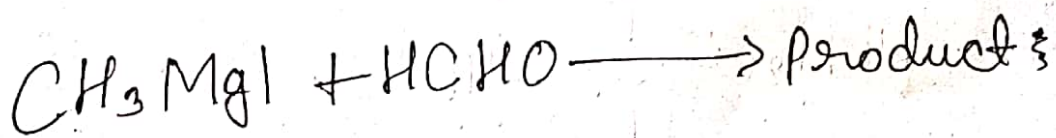


Ex.12 Benzaldehyde on reaction with acetophenone in the presence of sodium hydroxide solution gives:

- (A) $\text{C}_6\text{H}_5\text{CH}=\text{CHCOC}_6\text{H}_5$ (B) $\text{C}_6\text{H}_5\text{COCH}_2\text{C}_6\text{H}_5$
(C) $\text{C}_6\text{H}_5\text{CH}=\text{CHC}_6\text{H}_5$ (D) $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{COC}_6\text{H}_5$



Ex.13 Product in following reaction is:



- (A) CH_3CHO (B) $\text{C}_2\text{H}_5\text{OH}$
(C) $\text{C}_2\text{H}_5\text{OH}$ (D) $\text{CH}_3-\text{O}-\text{CH}_3$

