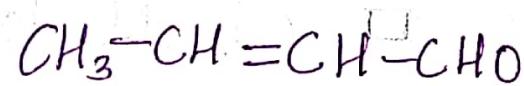
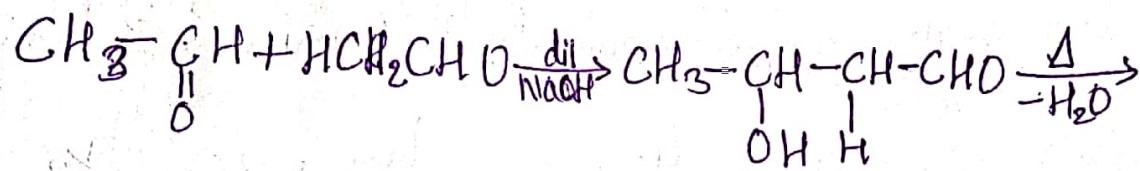
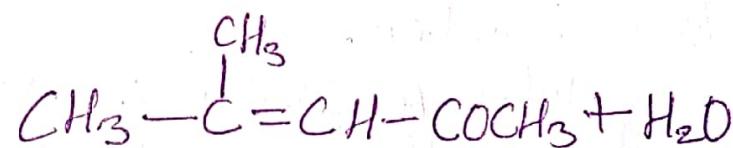
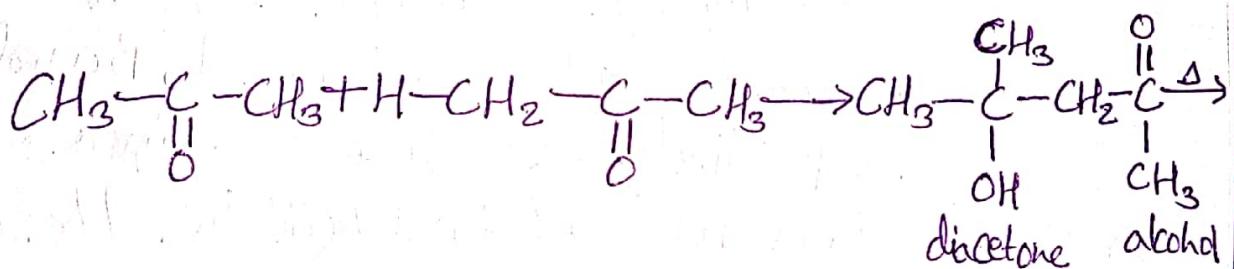


D. B. College (Jaynagar) Lect - 24
 Akhilesh Kumar Singh
 Chemistry department B.Sc (Sub) Part - 1
 Mob: - 8750390927

Simple or Self Condensation:-

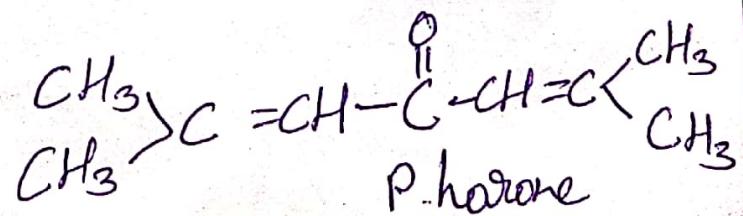
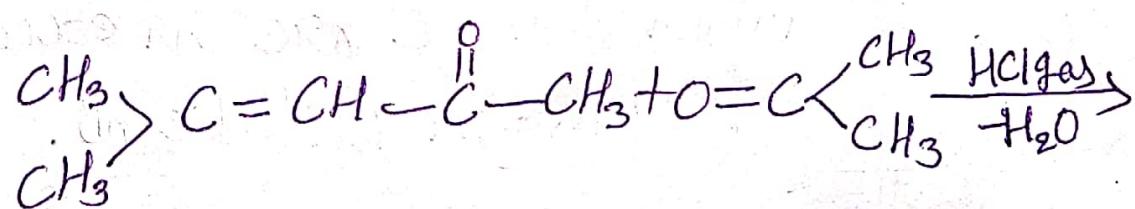


~~Crotonaldehyde~~



Mesityl oxide or

4-Methyl-3-Pentene-2-one



Bx 33 The $t_{\frac{1}{2}}$ of a first order reaction is found to be 2 minutes. The percent of the reactant left after 360 seconds is

[A] 12.5 [B] 25 [C] 15 [D] 7.5

Soln

$$360 \text{ seconds} = 6 \text{ min} = 3 \text{ half-lives}$$

$$100 \xrightarrow{t_{\frac{1}{2}}} 50 \xrightarrow{t_{\frac{1}{2}}} 25 \xrightarrow{t_{\frac{1}{2}}} 12.5$$



Ostwald Isolation Method

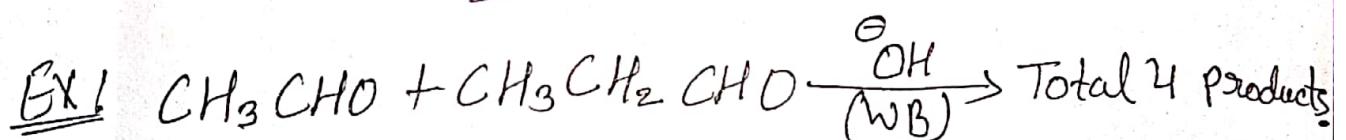
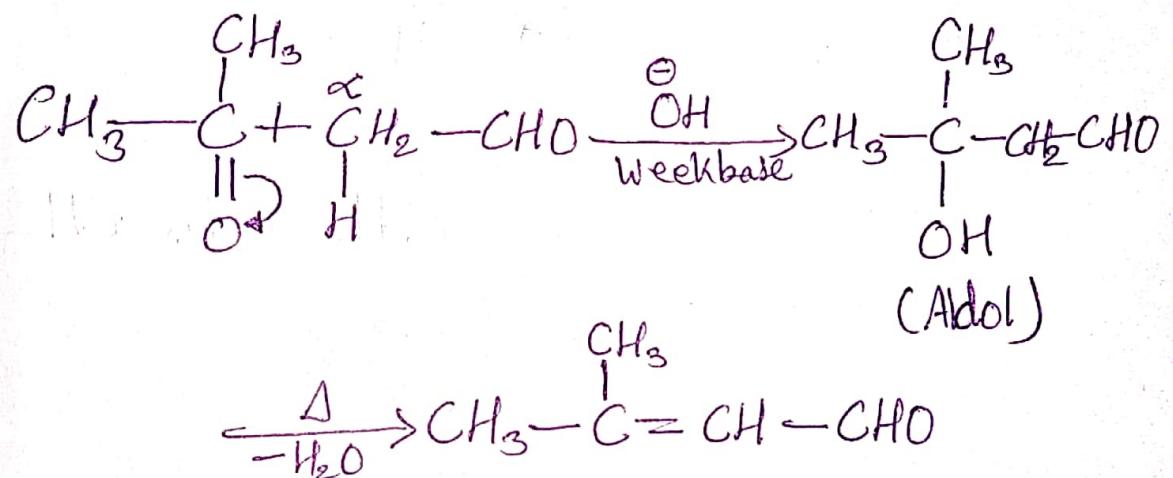
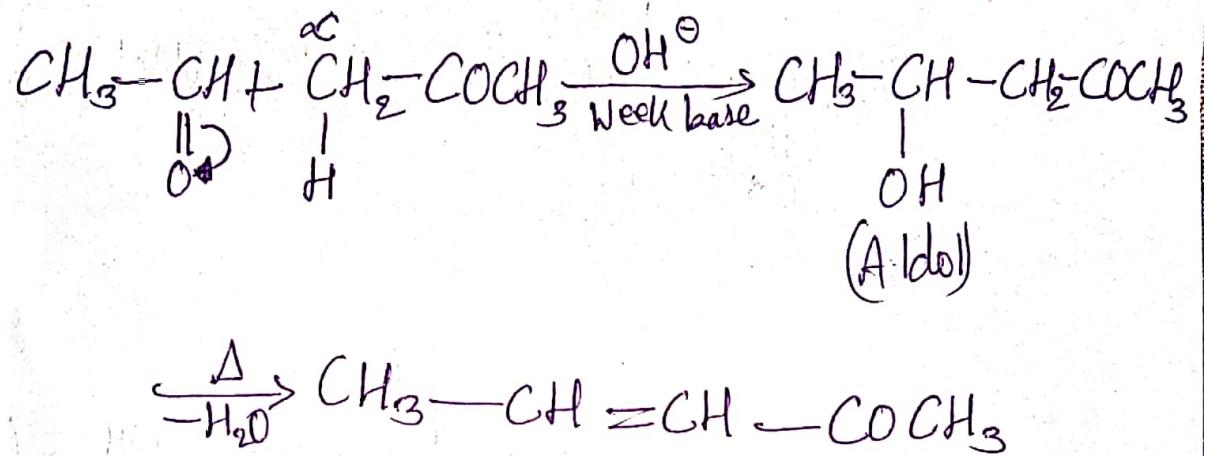
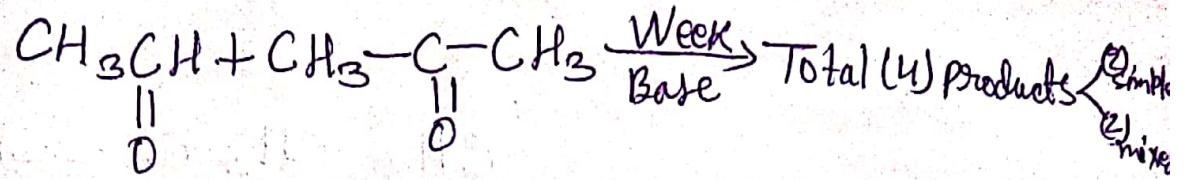
This method is used to find out the order of complex reactions. If n_A , n_B and n_C molecules of substance A, B and C, respectively, are present in a reaction, then $n_A + n_B + n_C$ will be the order of reaction.

When B and C are in excess, the order of reaction will be n_A .

When A and B are in excess, the order of reaction will be n_C .

When A and C are in excess, the order of reaction will be n_B .

Mixed or Crossed aldol Condensation:



Write Structure of Products?

