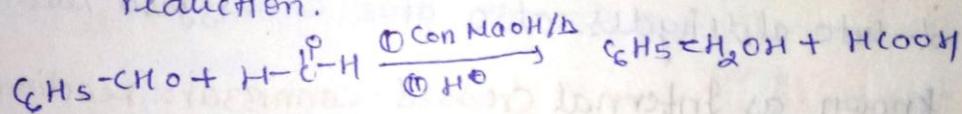
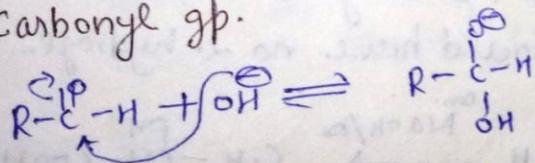


Usefull:-
 Case-2:- Both are different and one is formaldehyde.
 In this case formaldehyde always undergoes oxidation thus other aldehyde undergoes reduction.

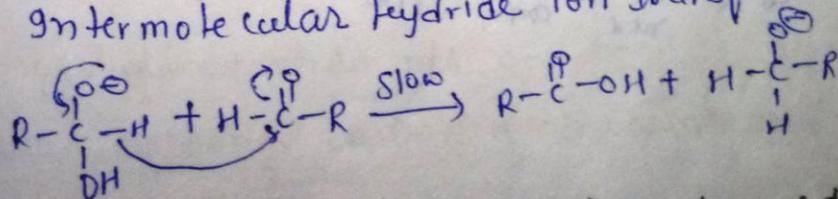


Mechanism:-

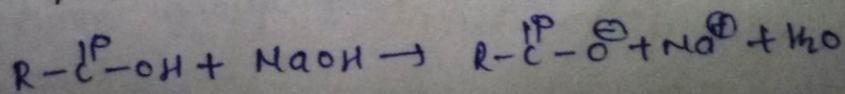
Step-I:- Nucleophilic addition of hydroxide ion to Carbonyl gp.

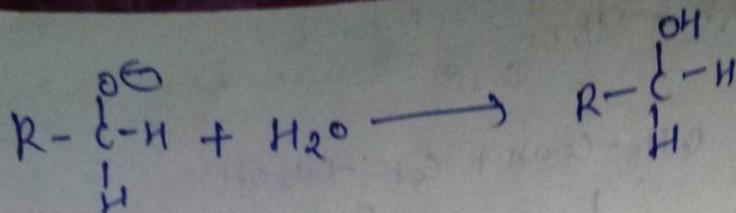


Step II:- Intermolecular hydride ion transfer.

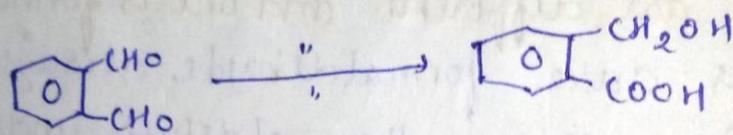
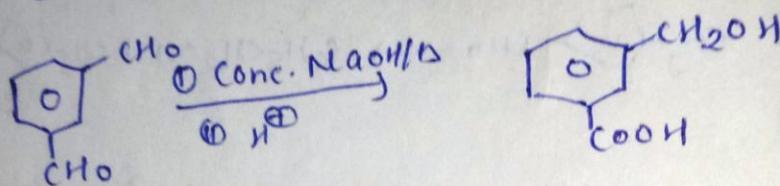


Step-III Acid base reactions yielding observed product





Intramolecular Cannizzaro reaction.
 This reaction is given by dialdehydes in which α -hydrogen is not present.



α -keto aldehydes also give Cannizzaro reaction known as Internal crossed-Cannizzaro reaction. In this case aldehyde group undergoes oxidation and keto group undergoes reduction. In this case keto group should have no α -hydrogen.

