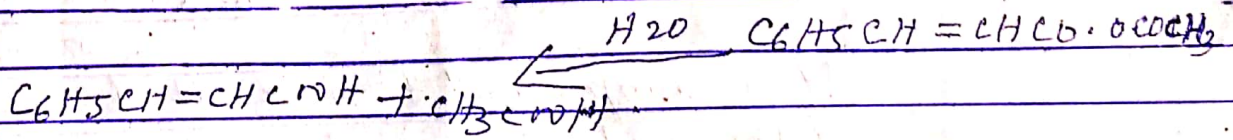
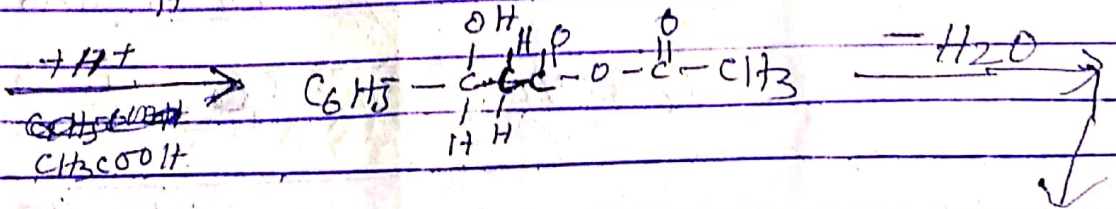
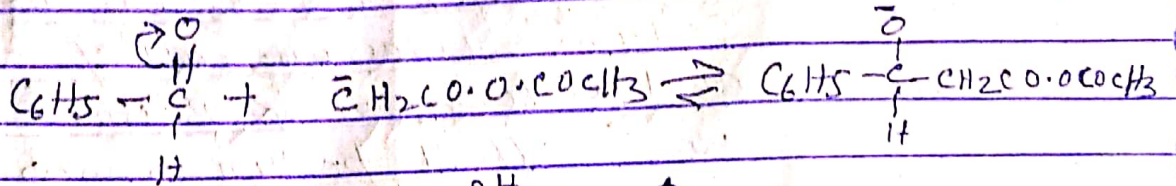
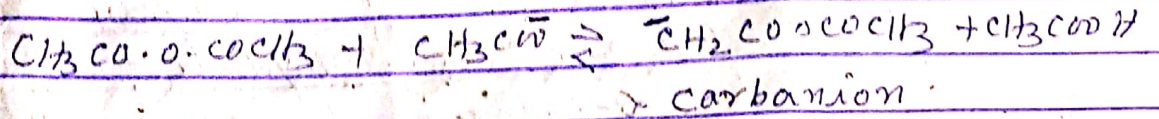
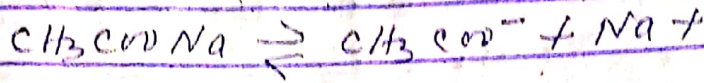




Mechanism



In presence of carboxylate ion, acetic anhydride firstly forms carbanion which on condensation with aromatic aldehyde and hydrolysis gives  $\alpha, \beta$  unsaturated acid i.e. cinnamic acid is formed.

Perkin reaction proceeds more easily when aromatic aldehyde contains electron-attracting group in the ring.

