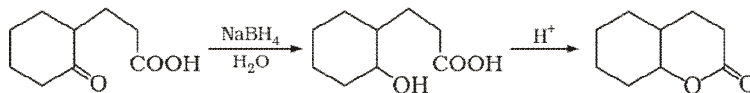


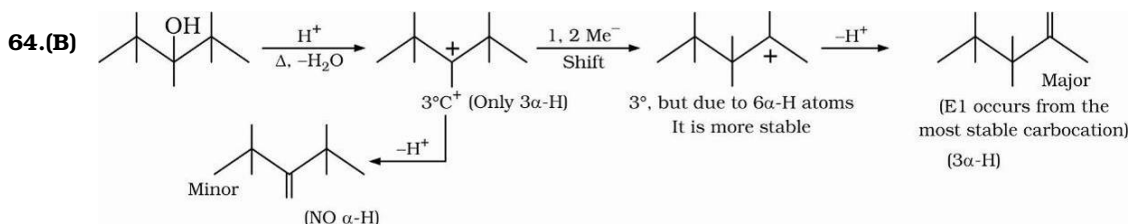
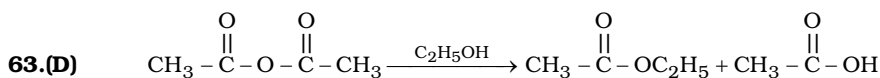
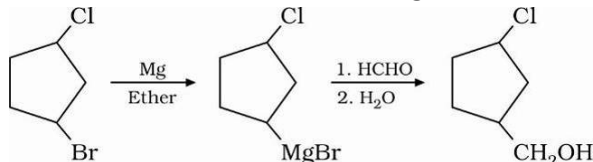
Daily Tutorial Sheet-5

Level-1

61.(D) NaBH_4 reduces only carbonyl group, not carboxylic acids and esters.

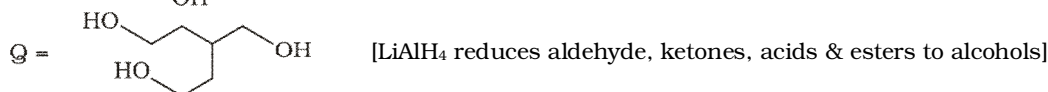
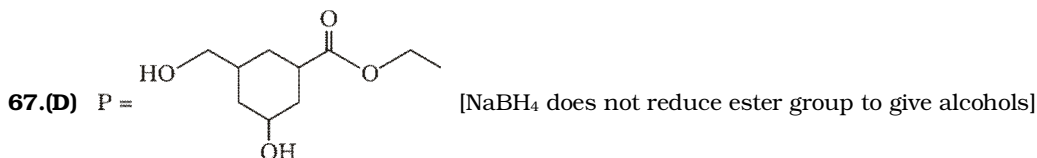
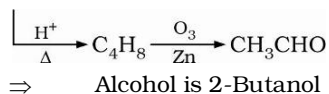


62.(B) RBr is more reactive than RCl as bond is longer and weaker.



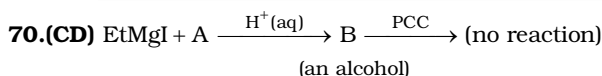
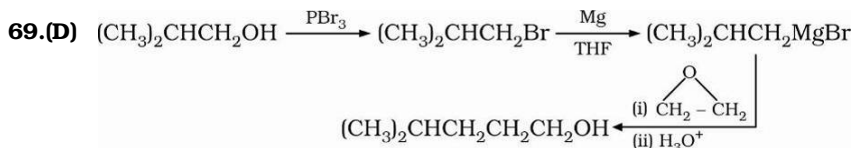
65.(A) Simple distillation will separate MeOH (b.p. = 64.7°C) from H_2O (b.p. = 100°C); due to difference in their b.p.(s) p, being high.

66.(A) Alcohol will be 2° [Lucas test after some time]

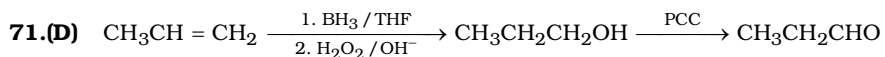
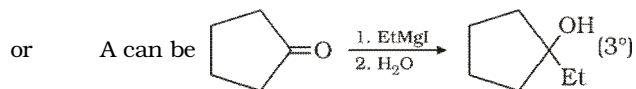
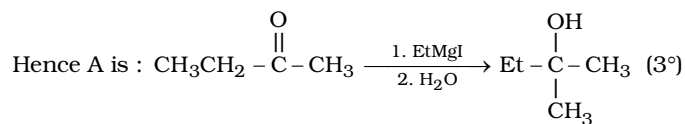


So there are 2 alcoholic groups in P and 3 in Q.

68.(C) Obviously H-bonding does not exist in thiols.



B is tertiary alcohol as it resist oxidation. Hence A has to be a ketone



72.(A) OH activates the ring via strong +M effect at *o*-ortho and *p*-para position to it. Note that CH_3 also activates the ring via +H effect at the same positions.

