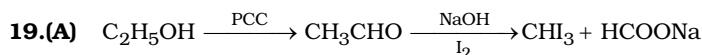
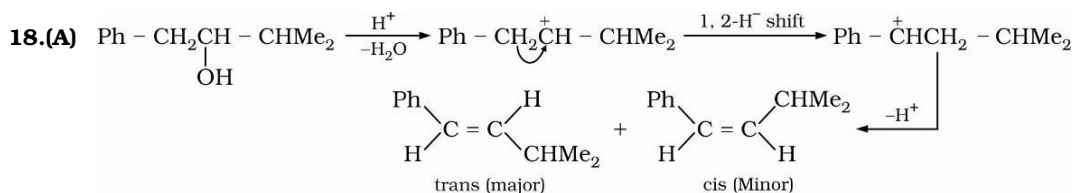
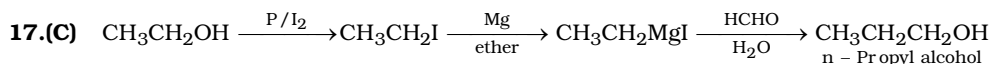
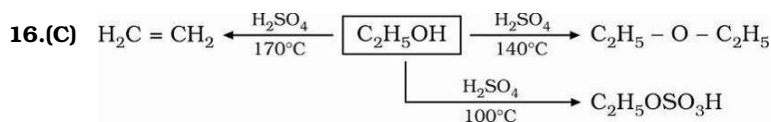
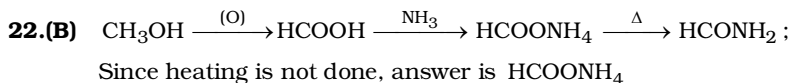
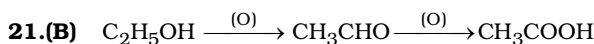


Daily Tutorial Sheet-2

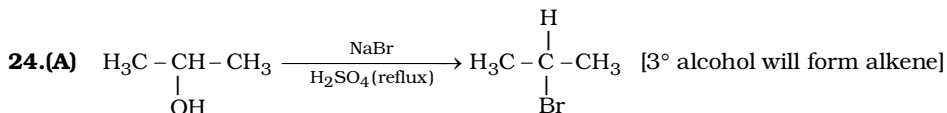
Level-1



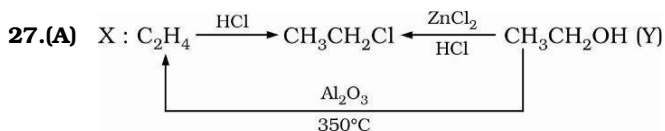
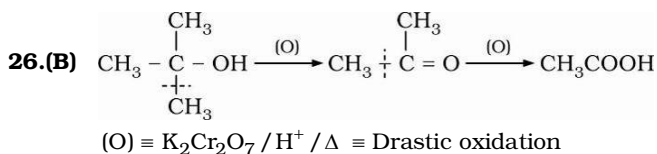
20.(D) Phenol gives violet coloration with FeCl_3 , whereas benzoic acid does not react.



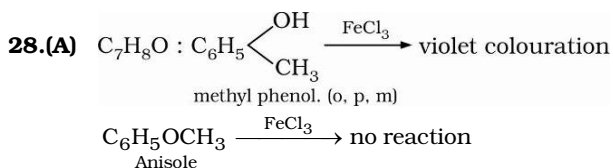
23.(B) Only $\text{C}_2\text{H}_5\text{OH}$ will not react as others are quite strong acids.
 Conjugate base formed in other cases is stabilised by -I effect and resonance

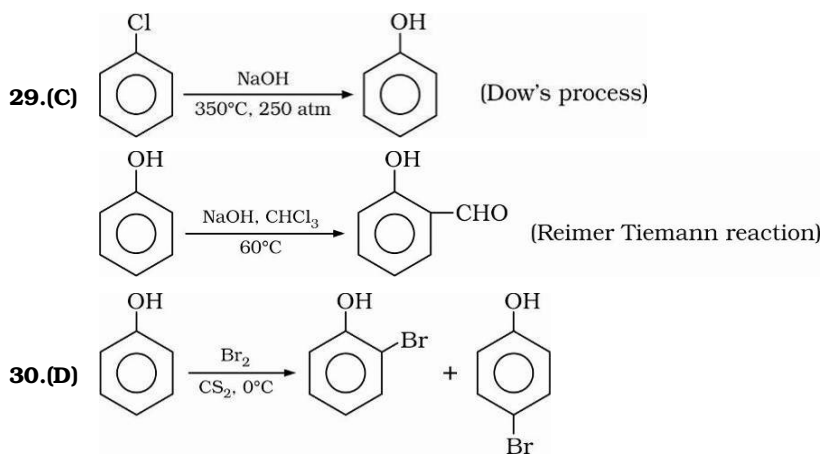


25.(D) $\text{C}_2\text{H}_5\text{OH}$ is most acidic among given compounds.



- If $T = 200^\circ\text{C}$, ether is obtained.
- 3° alcohol give alkene at 150°C and ethers are not formed at all.





- For the formation of mono-bromophenol the reaction is carried out in solvents of low polarity at low temperature. Hence X is Br_2 in CS_2 at 0°C .
- If $\text{Br}_2/\text{H}_2\text{O}$ is used, it forms 2, 4, 6-Tribromophenol (a white ppt.)