

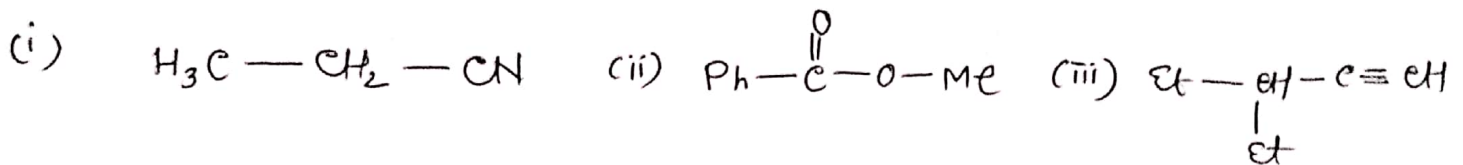
2nd Yr

Organometallics

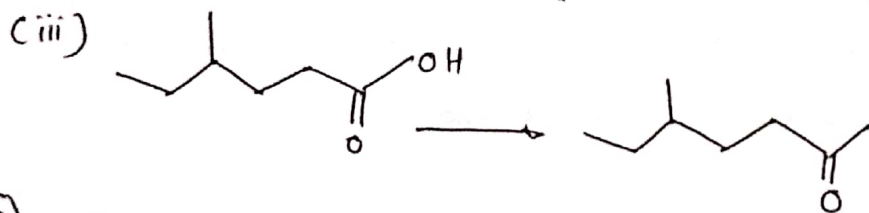
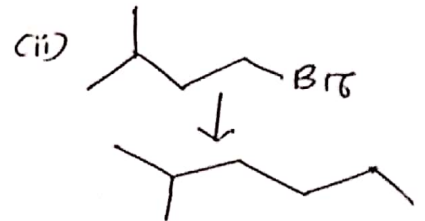
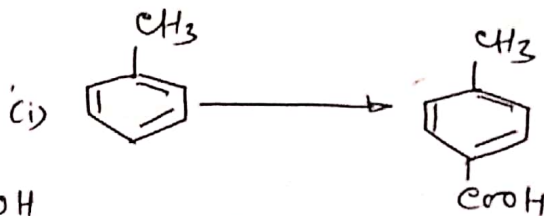
Class-11

Study Problem

① What happens when CH_3MgBr is combined with each of the following compounds and then with aq. acid.

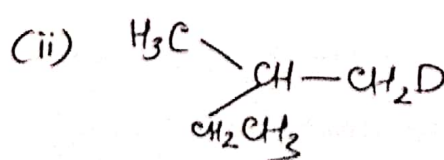
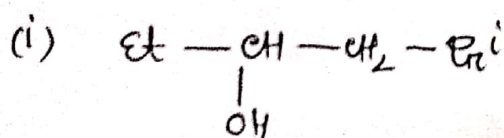


② Conversion



③ Prepare following alcohol $\text{Ph}-\underset{\text{Et}}{\overset{\text{Et}}{\text{C}}}-\text{OH}$ from three different starting materials using only Grignard reagents.

④ Synthesis following compounds starting from suitable reagents.



⑤ An organic comp. A, mp. $\text{C}_2\text{H}_5\text{Br}$ when reacted with $\text{Mg}/\text{Et}_2\text{O}$ a compound B is formed. Treatment of B with ethyl acetate followed by protonolysis gives C. C forms orange coloured ppt when reacted with 2,4-DNP. Give possible structures of A to C. Also explain the rxn.