

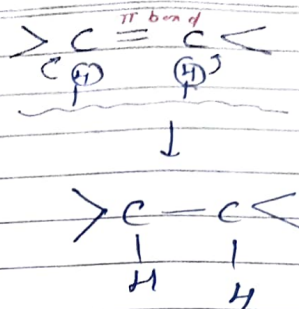
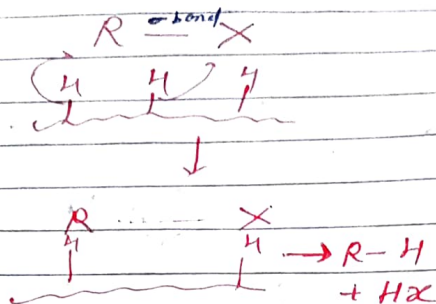
Hydrogenolysis

Hydrogenation

Expt No. _____ $H_2/Pd/C$

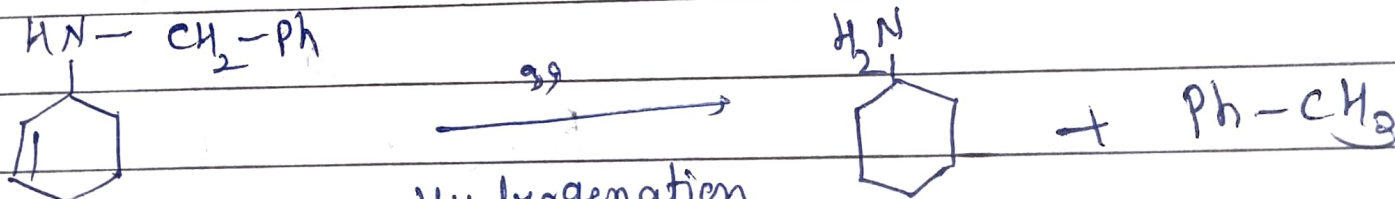
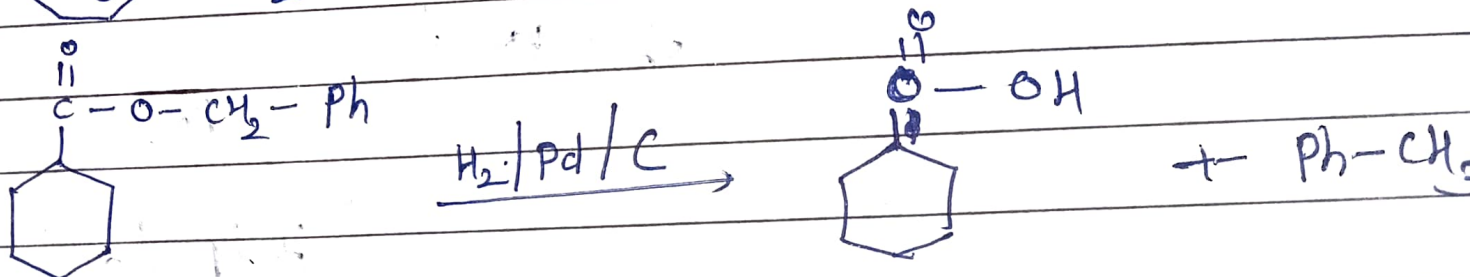
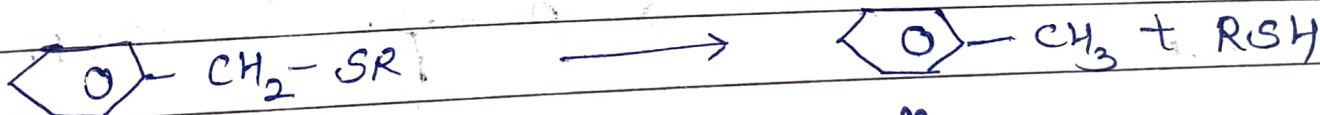
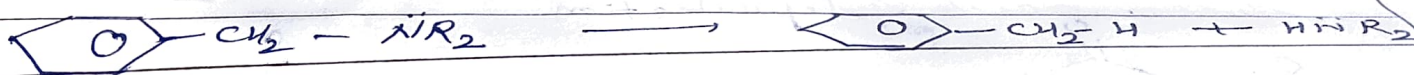
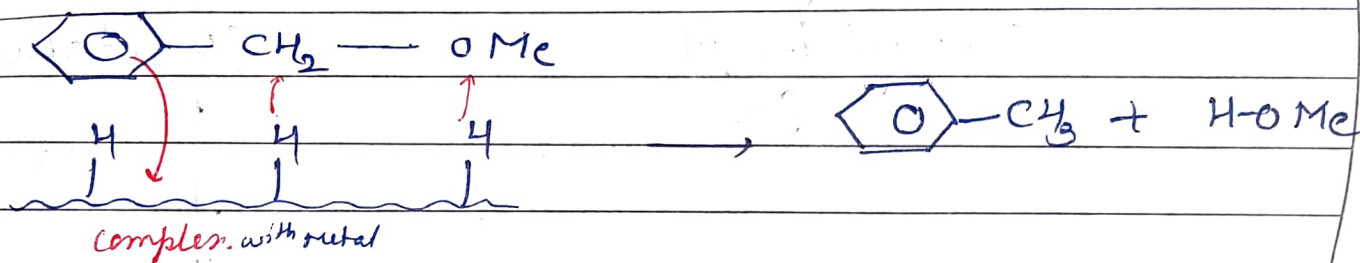
$H_2/Pd/C$

Page No. _____



$R \equiv$ Benzyl $Ph-CH_2-$, Propargyl $HC \equiv C-CH_2-$

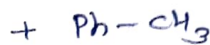
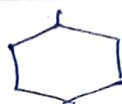
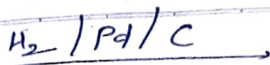
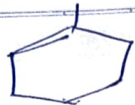
$X \equiv$ $O-R$, $O-H$, $-NH_2$, $-NR_2$, $-SH$, $-SR$



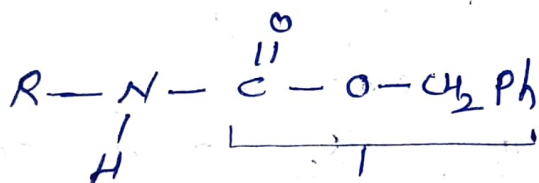
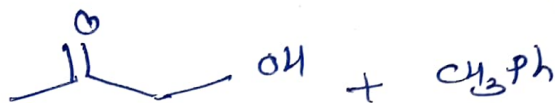
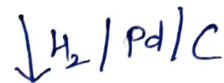
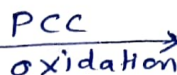
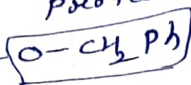
Date _____

Hydrogenation
as well as
hydrolysis

Teacher's Signature : _____

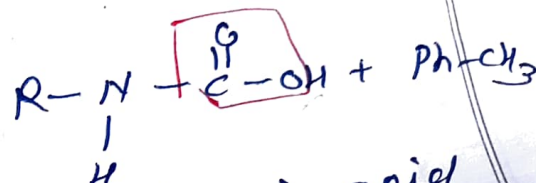
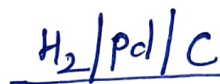


protecting group.



protecting gr.

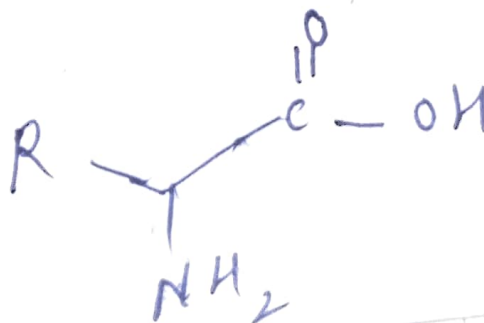
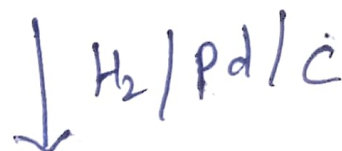
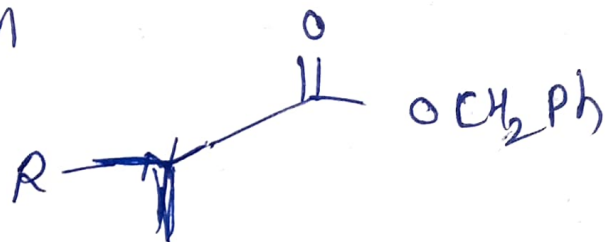
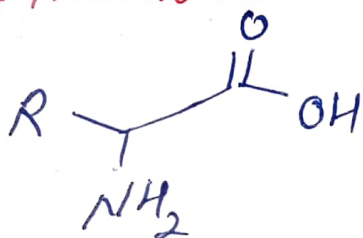
Carbonyl benzyl gr.



Carbamic acid (unstable)



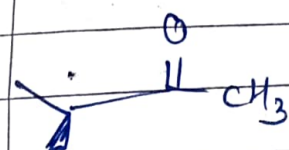
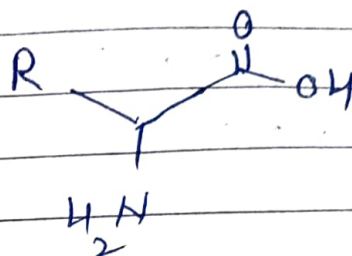
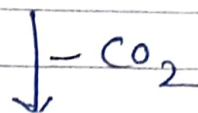
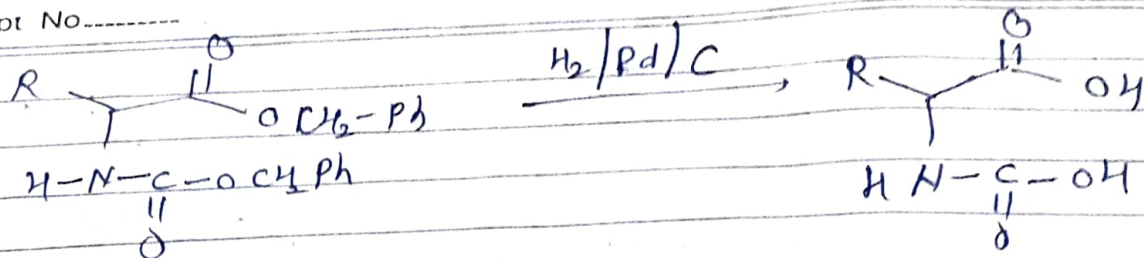
Amino acid $\rightarrow$ deprotection



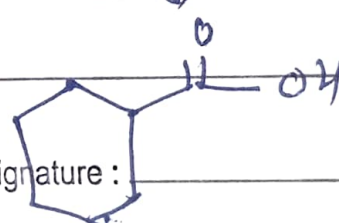
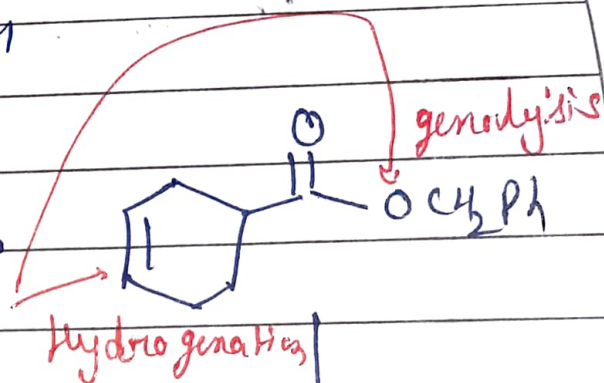
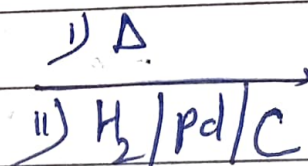
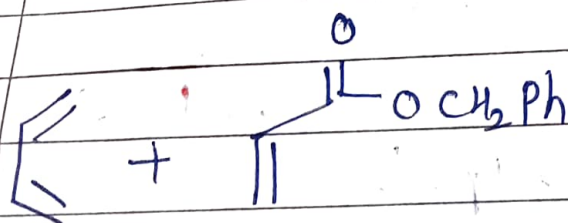
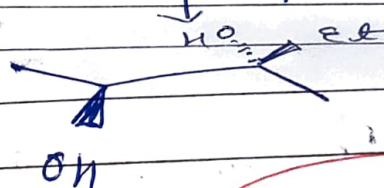
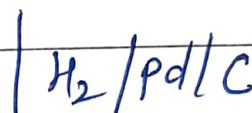
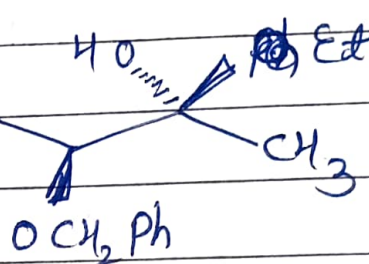
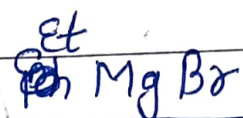
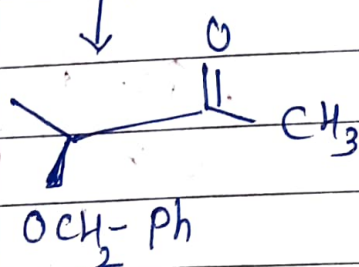
Hydrogenolysis is used in deprotection.

Page No. _____

Expt No. _____



↓ protection



+ PhCH₃

Teacher's Signature : _____

Date _____

