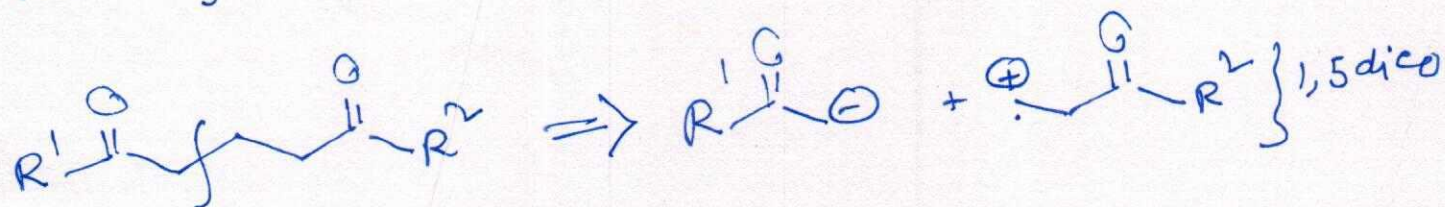
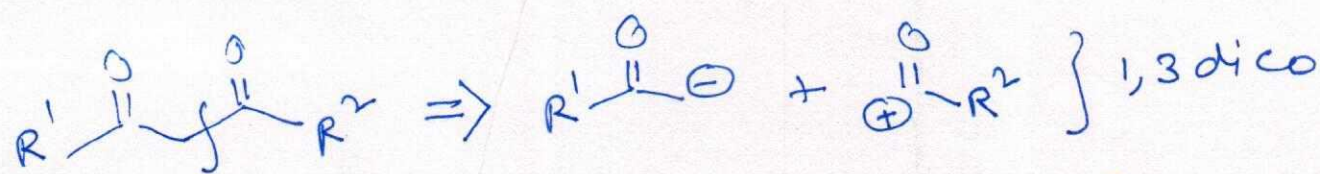
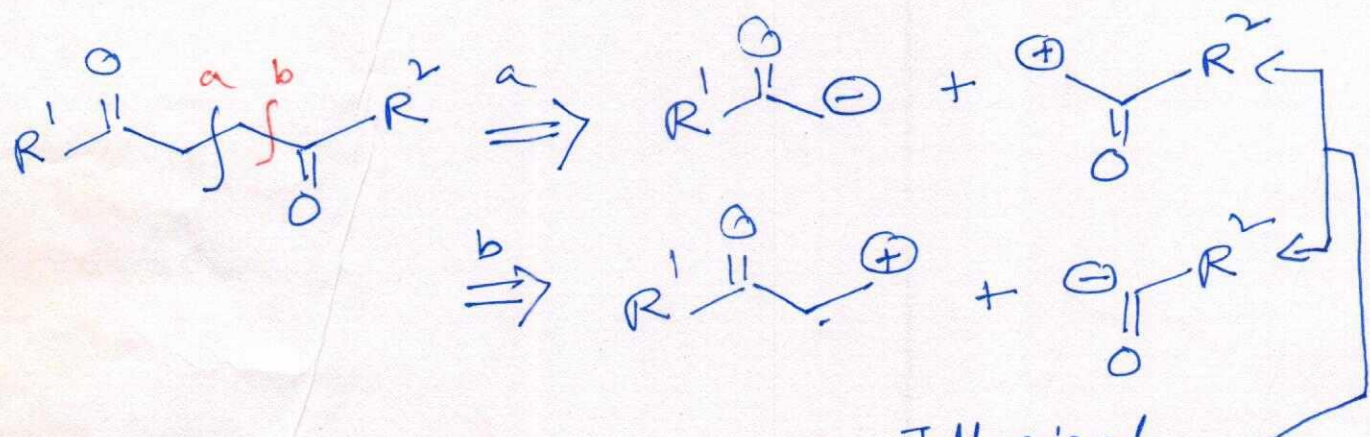


1,4-Difunctionalized Compounds:

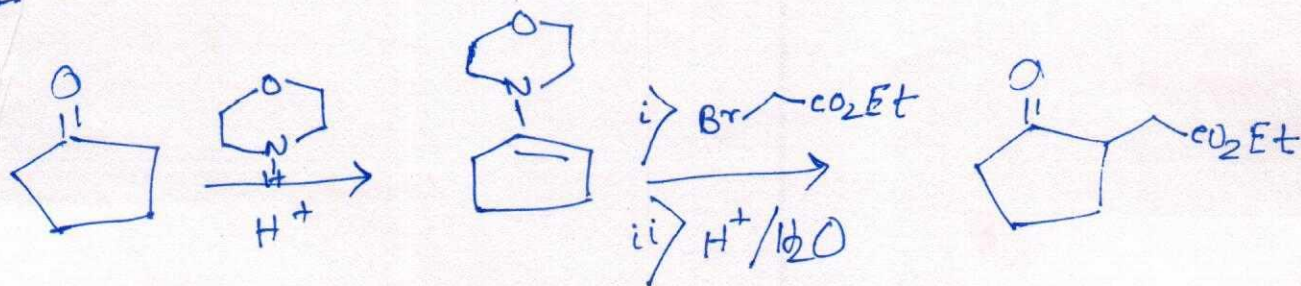
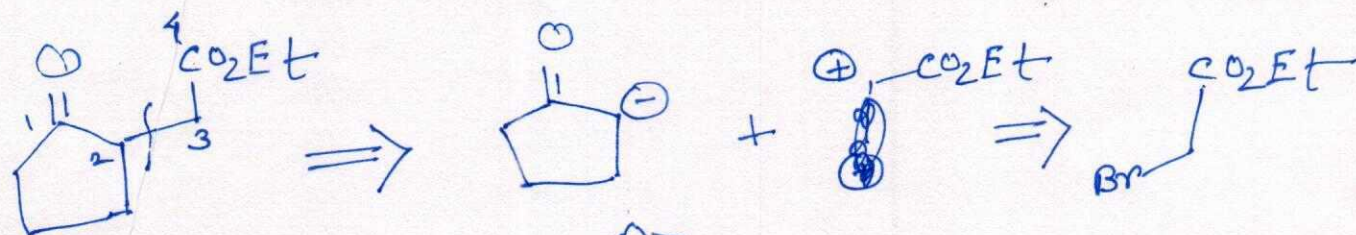
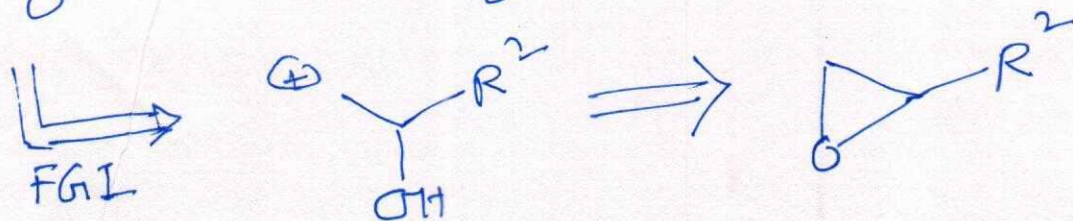
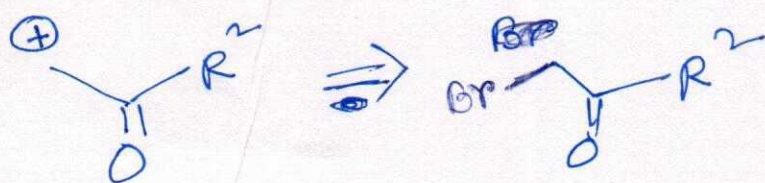
(59)



All logical synthons

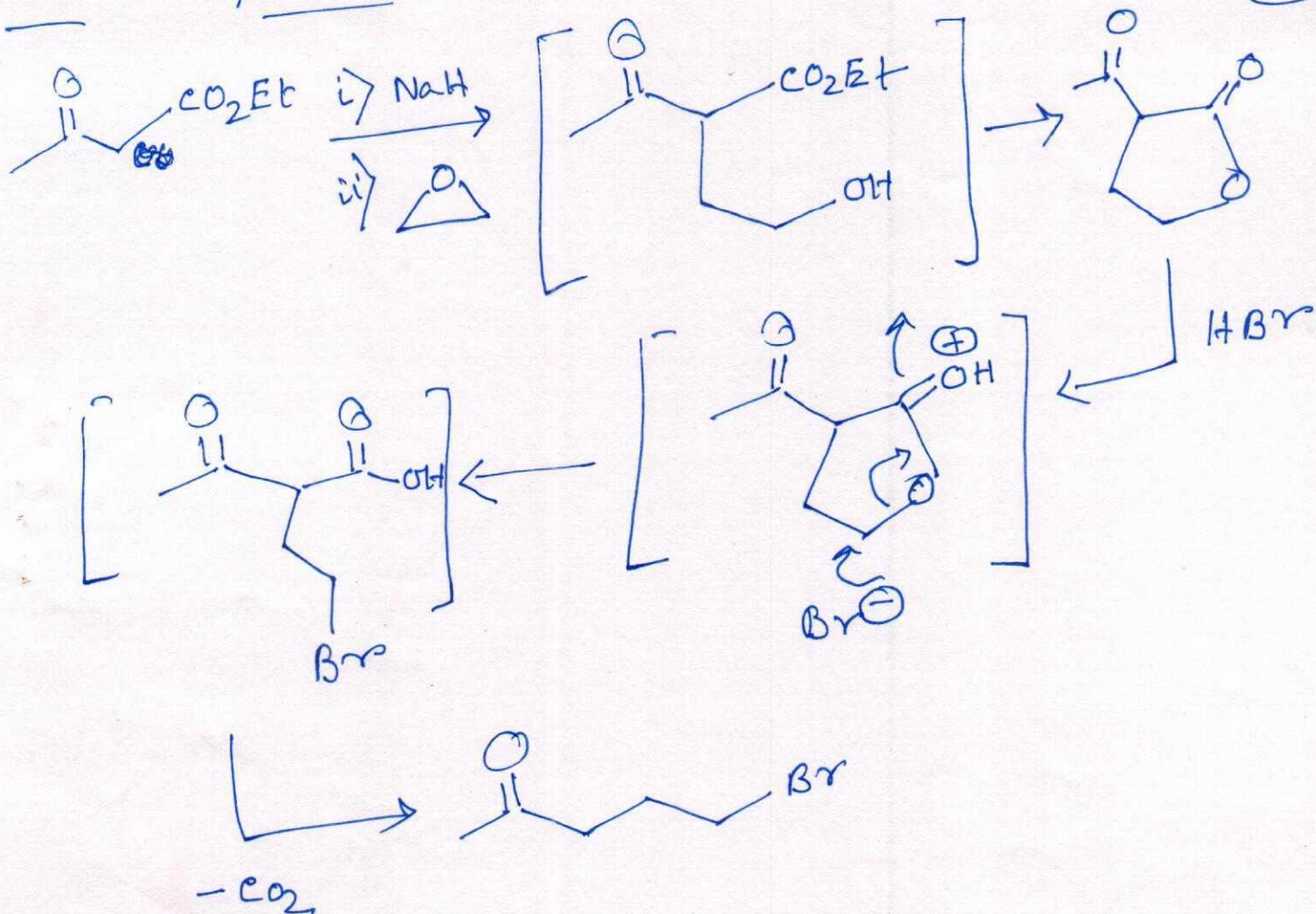


Illogical / unnatural synthons

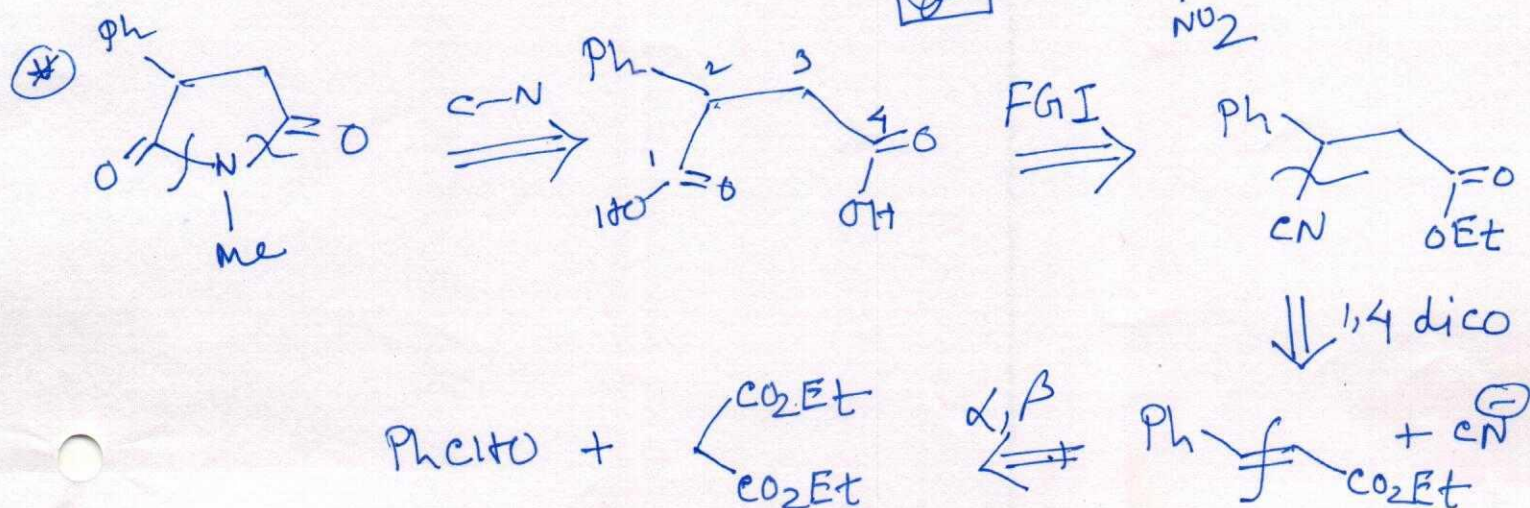
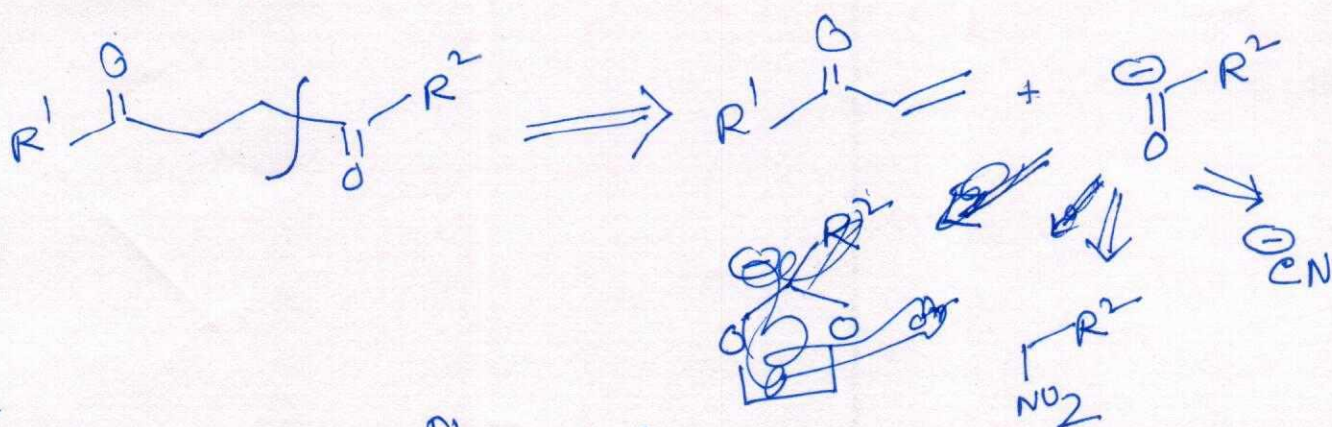


Forward Synthesis:

61

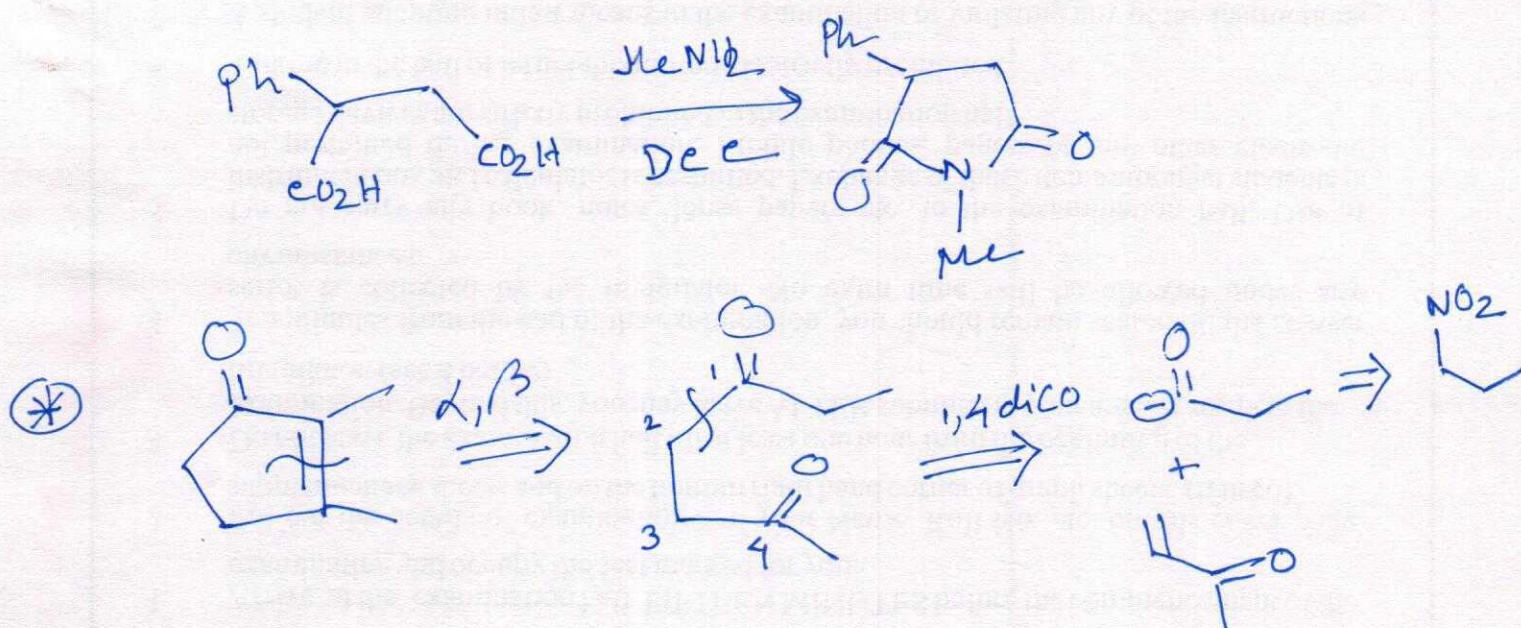
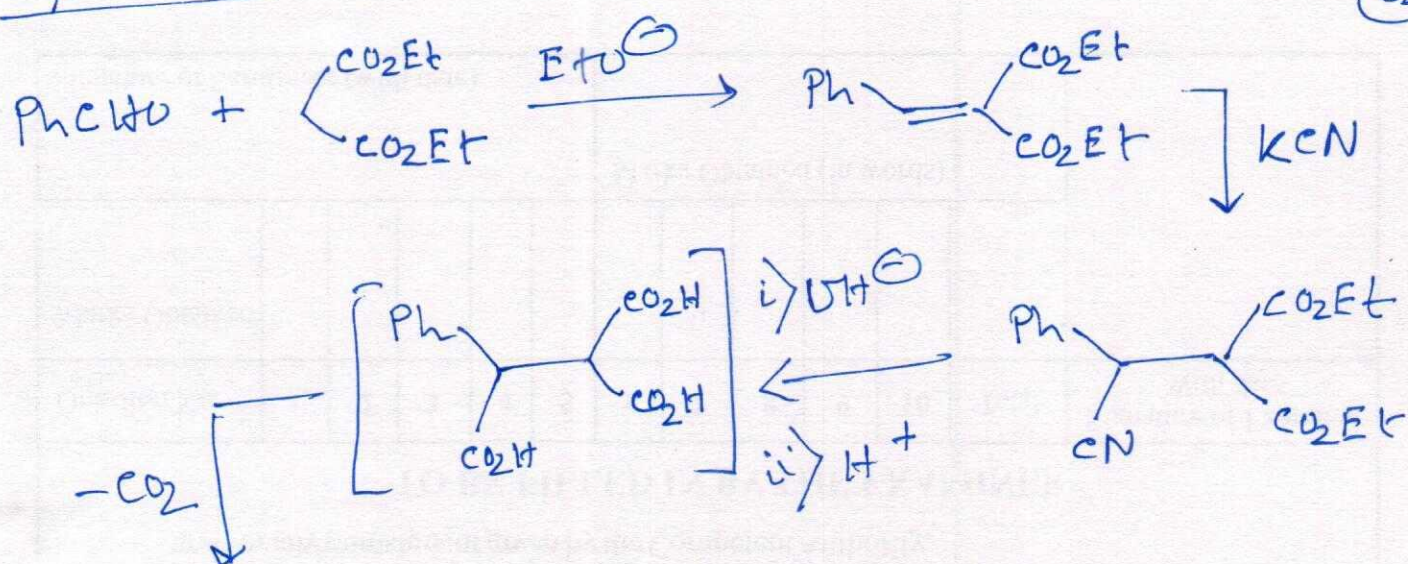


unnatural Nucleophilic Syntheses:

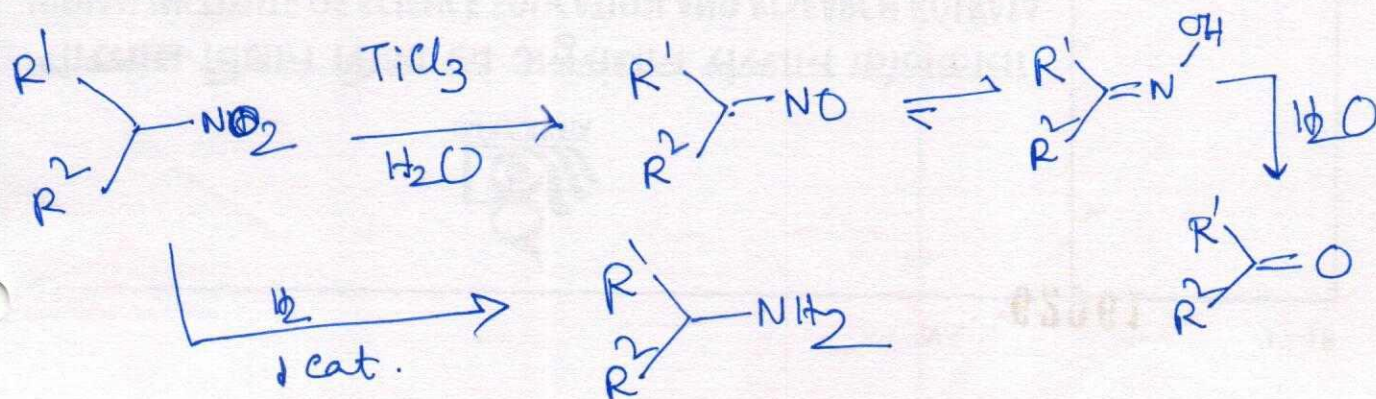
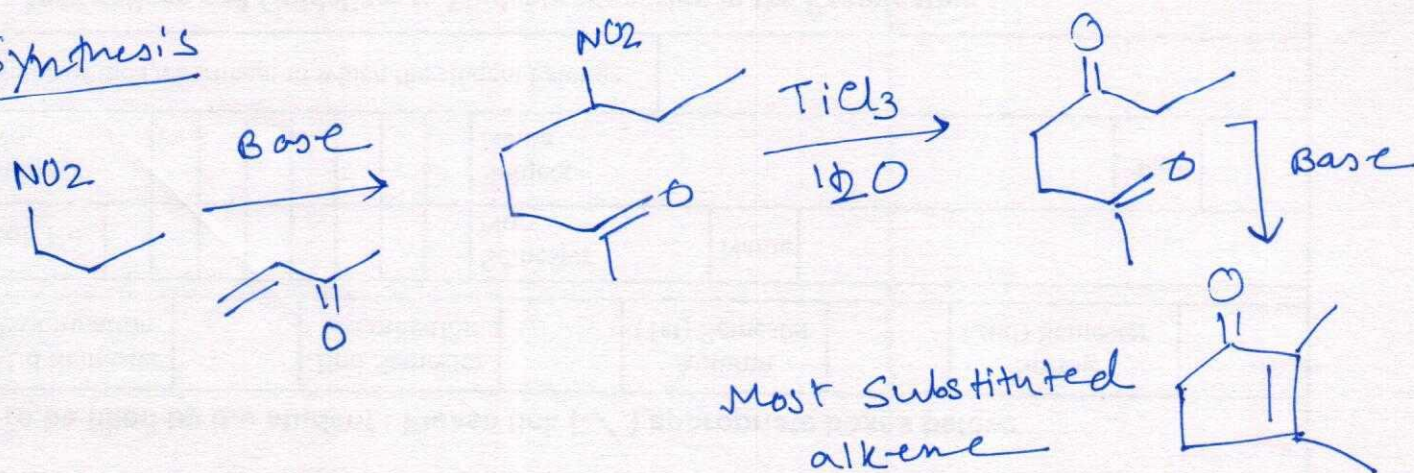


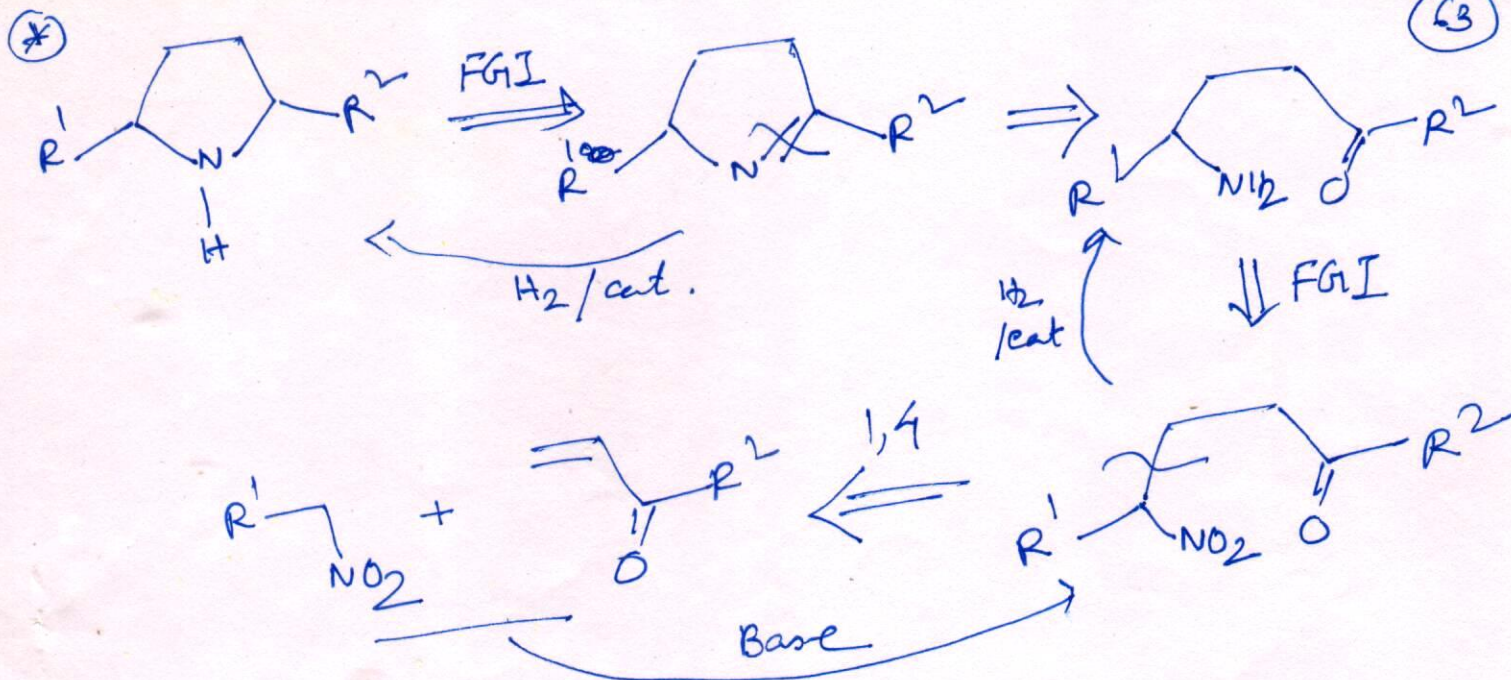
Synthesis:

(62)

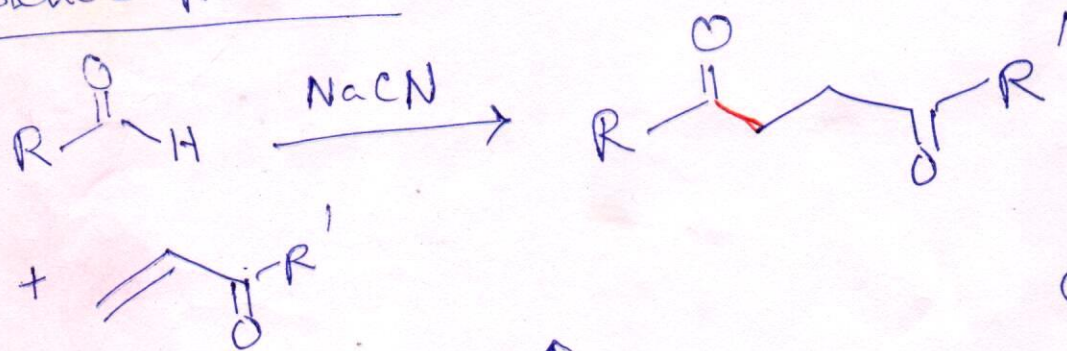


Synthesis





Stetter Reaction:



Mechanism:

