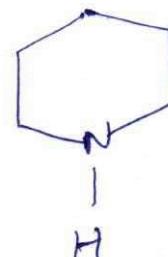
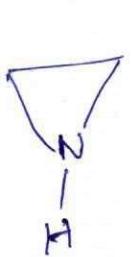
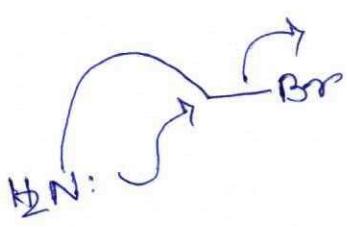


Rings Synthesis: Saturated Heterocycles:

(74)



Relative Rate:

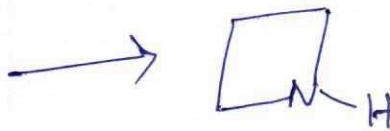
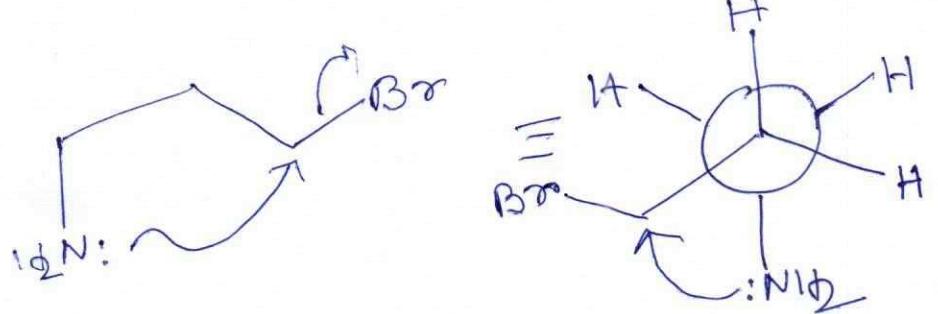
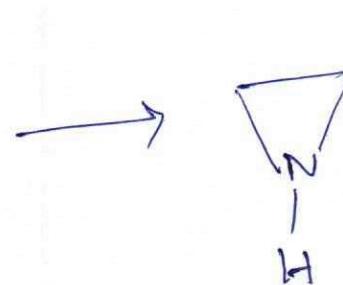
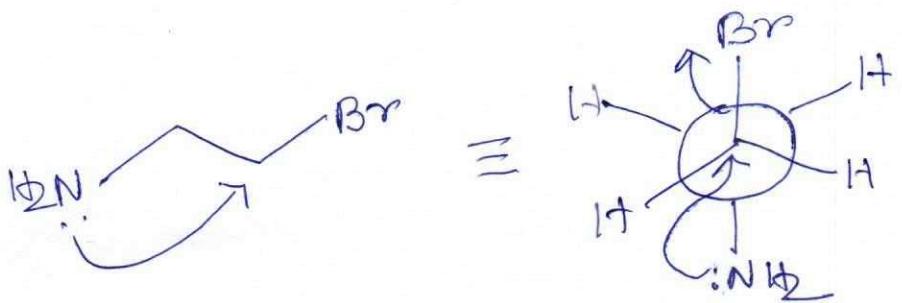
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1

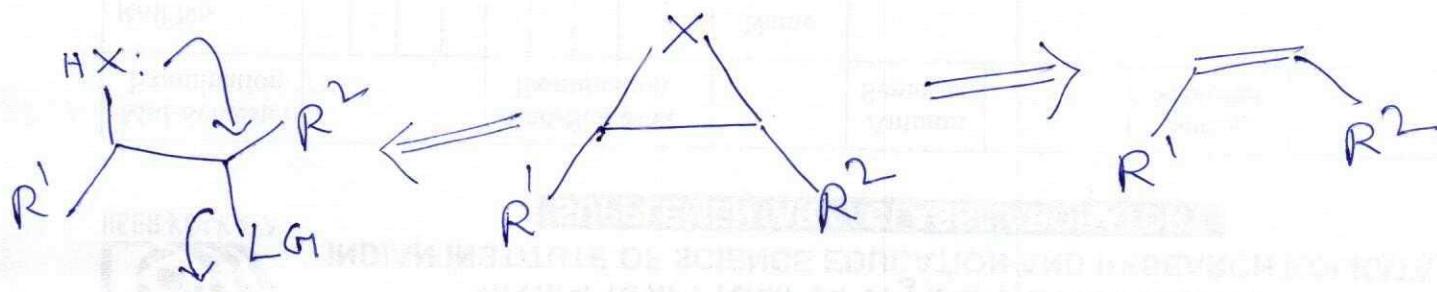
$\times 10^4$

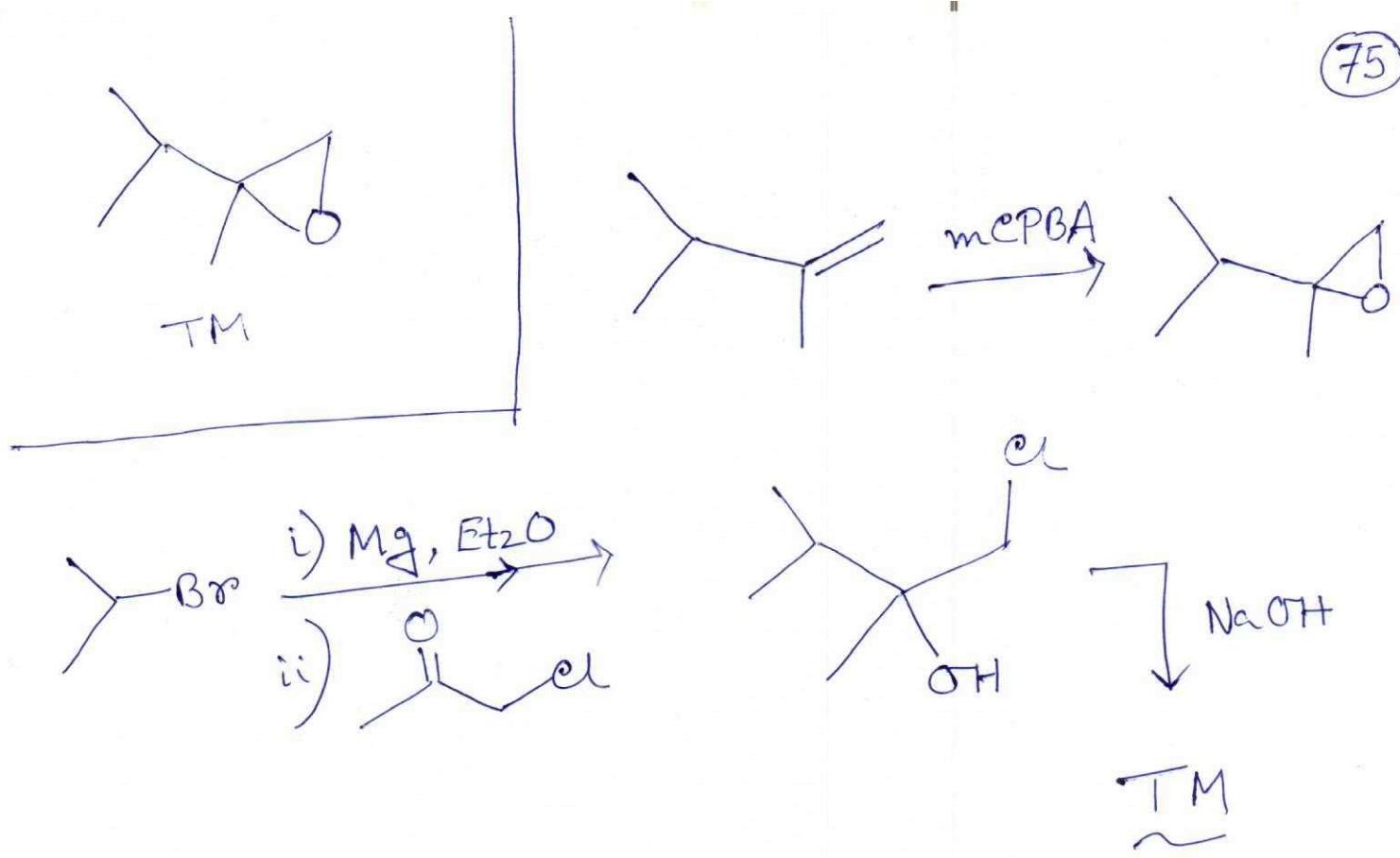
1×10^3

Depends on the reactive conformation & ring stability.

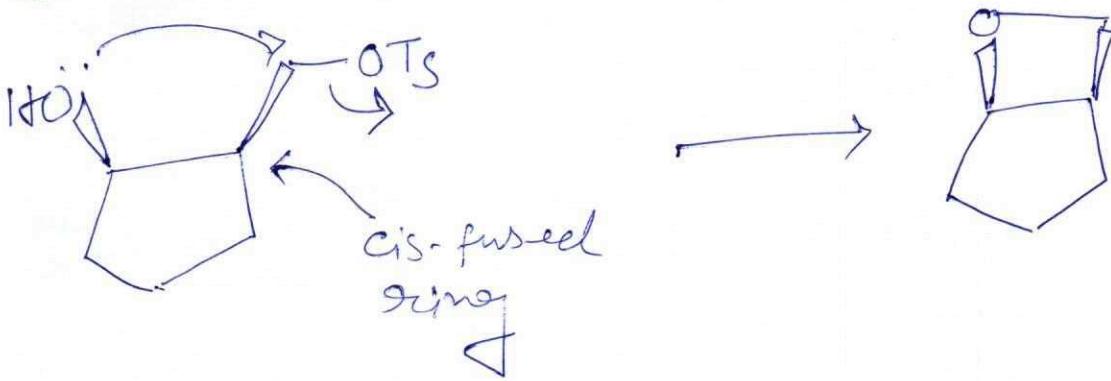


Three Membered Ring:

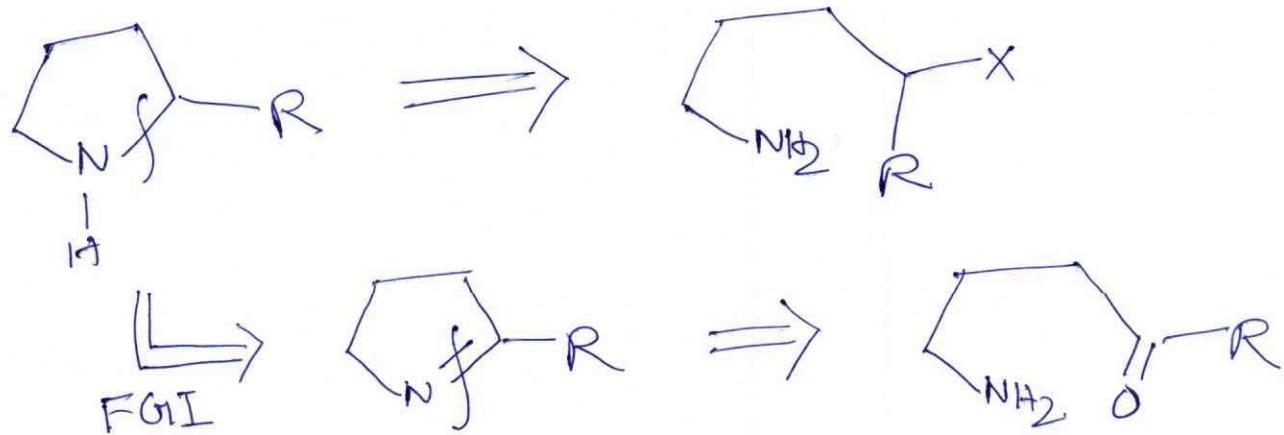


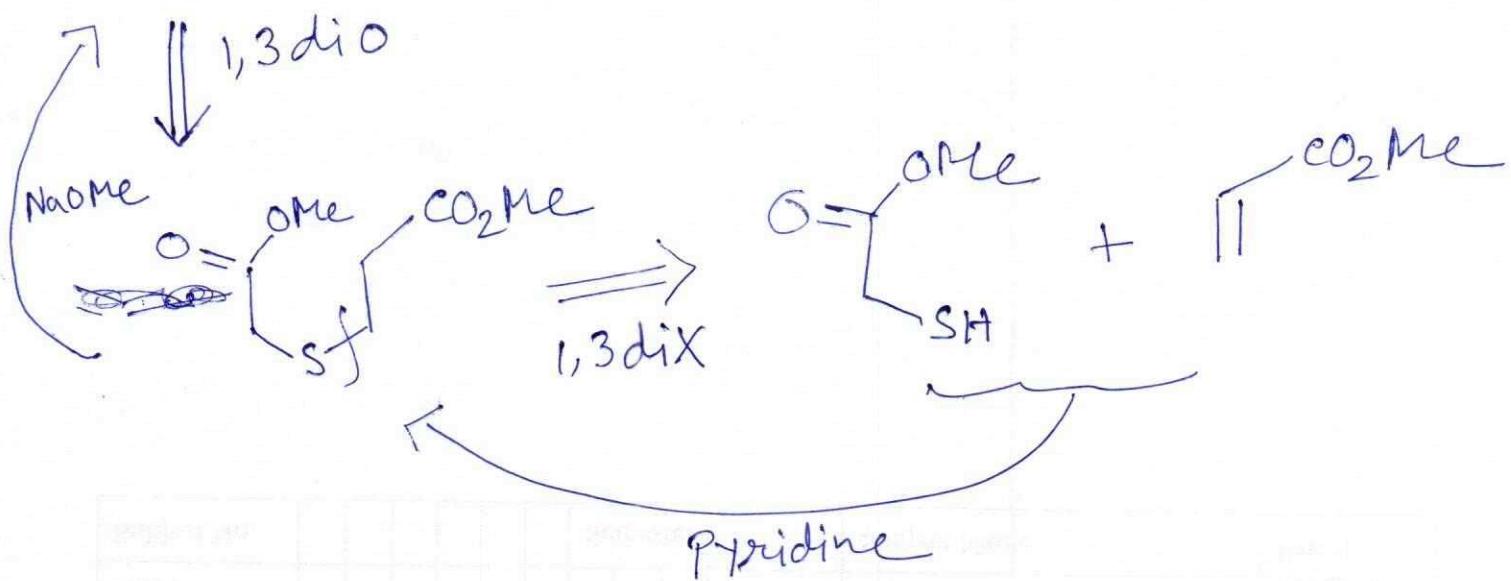
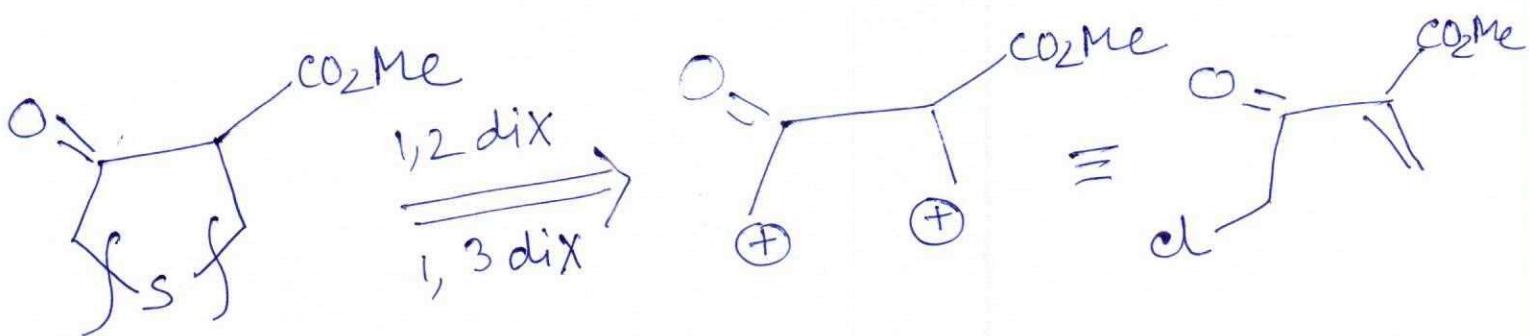
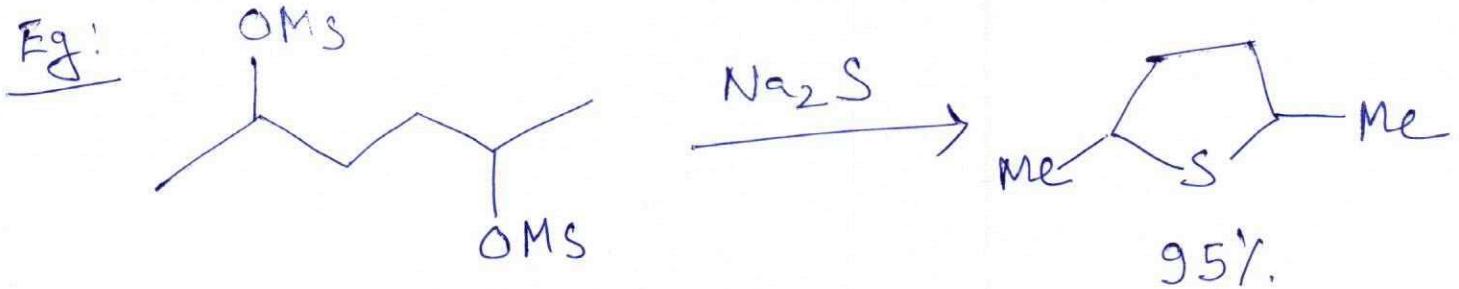
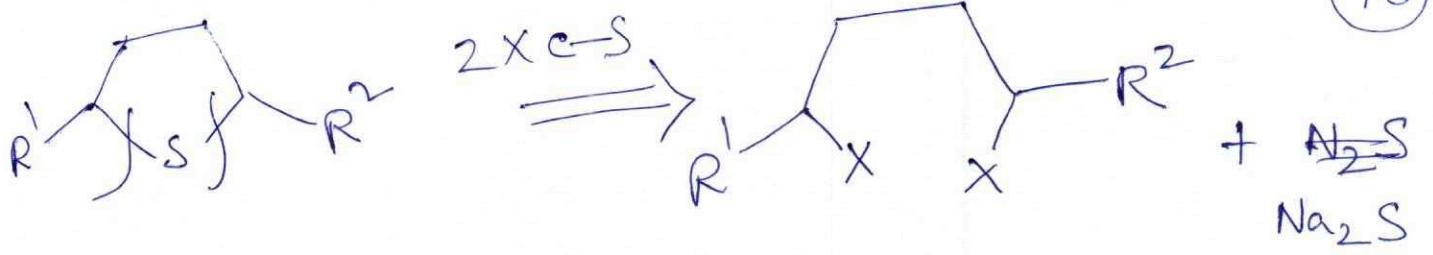


Four membered: Least favourable

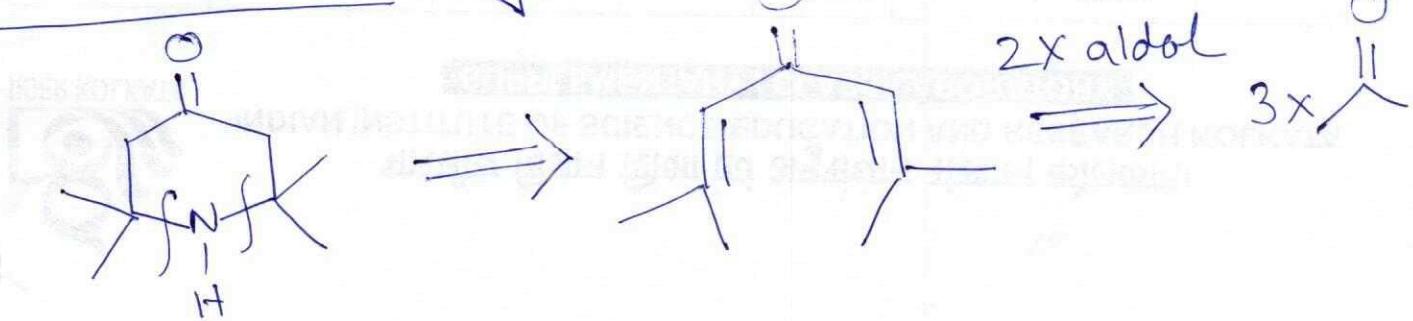


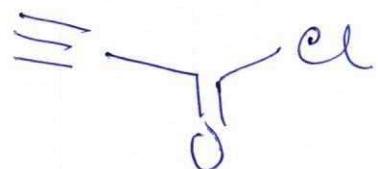
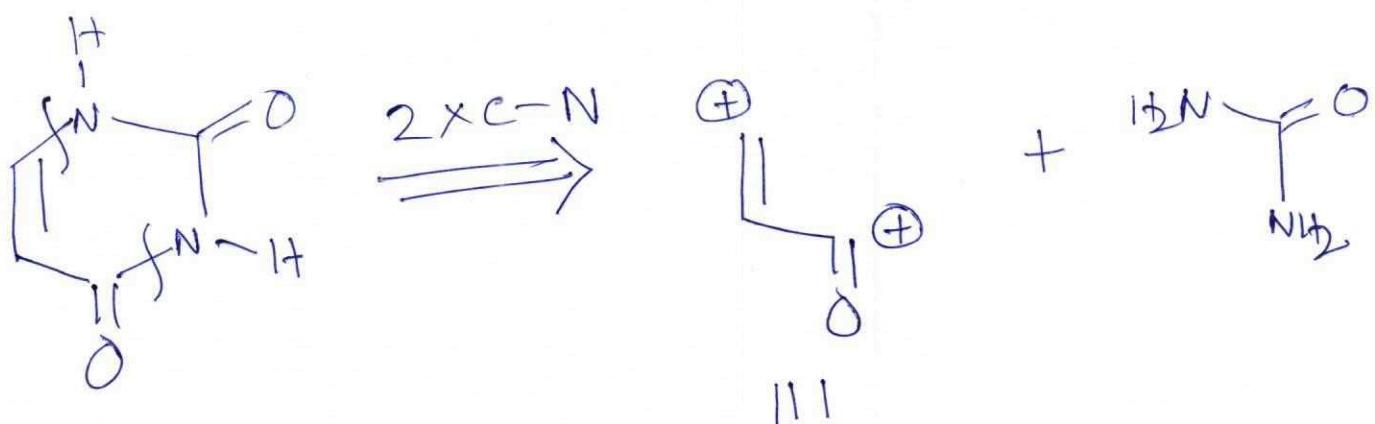
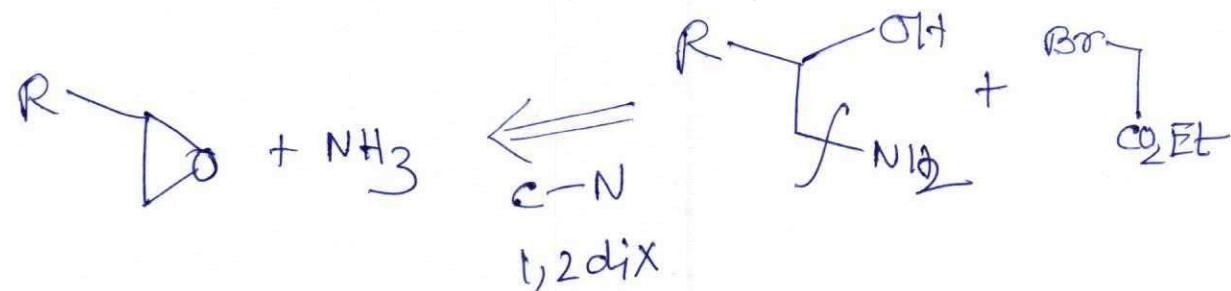
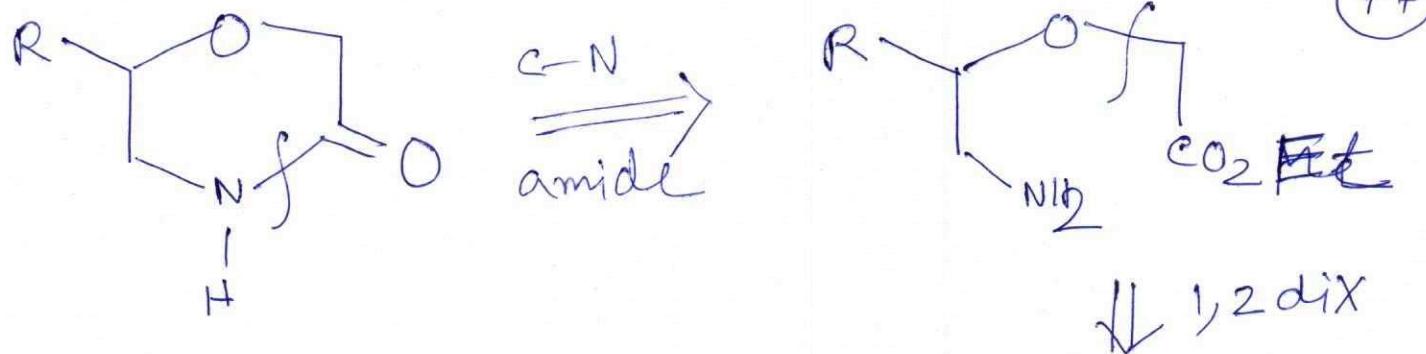
Five membered Ring: Most favourable





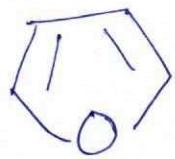
Six membered Ring:





Aromatic Heterocycles:

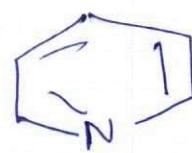
78



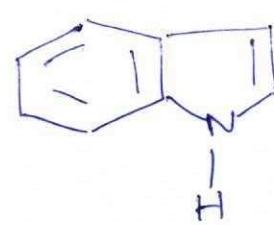
Furan



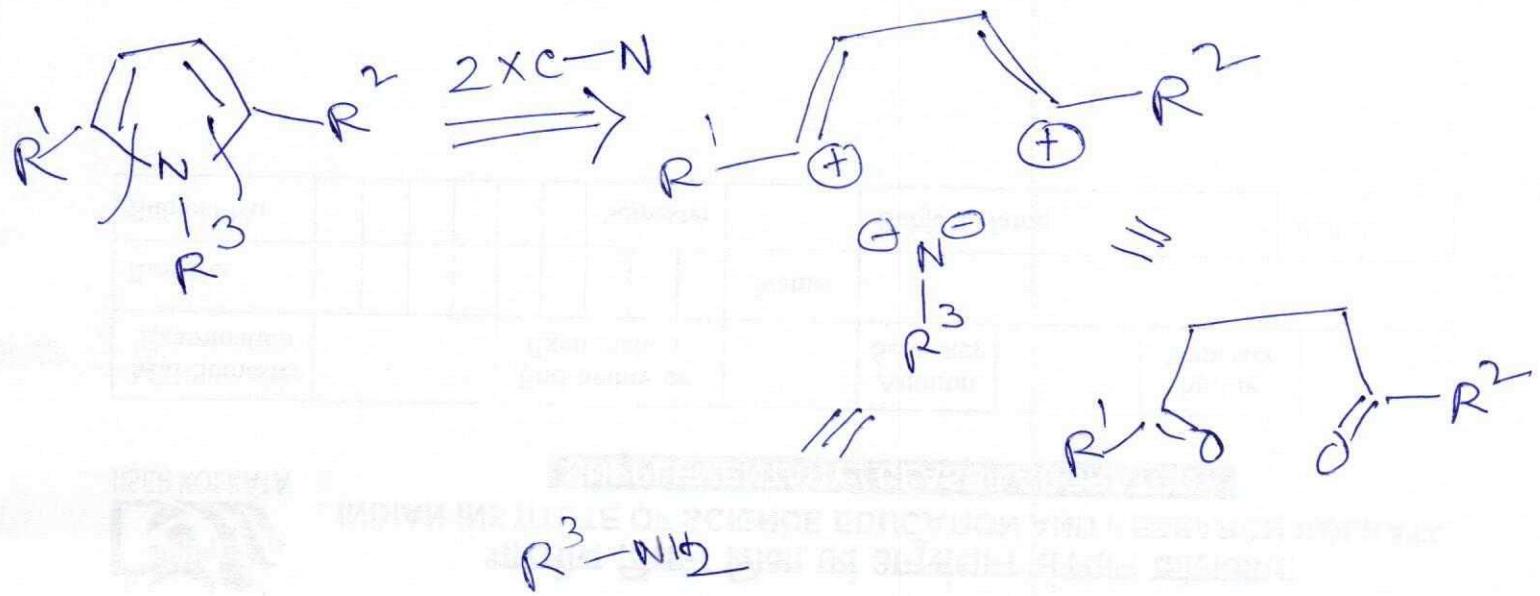
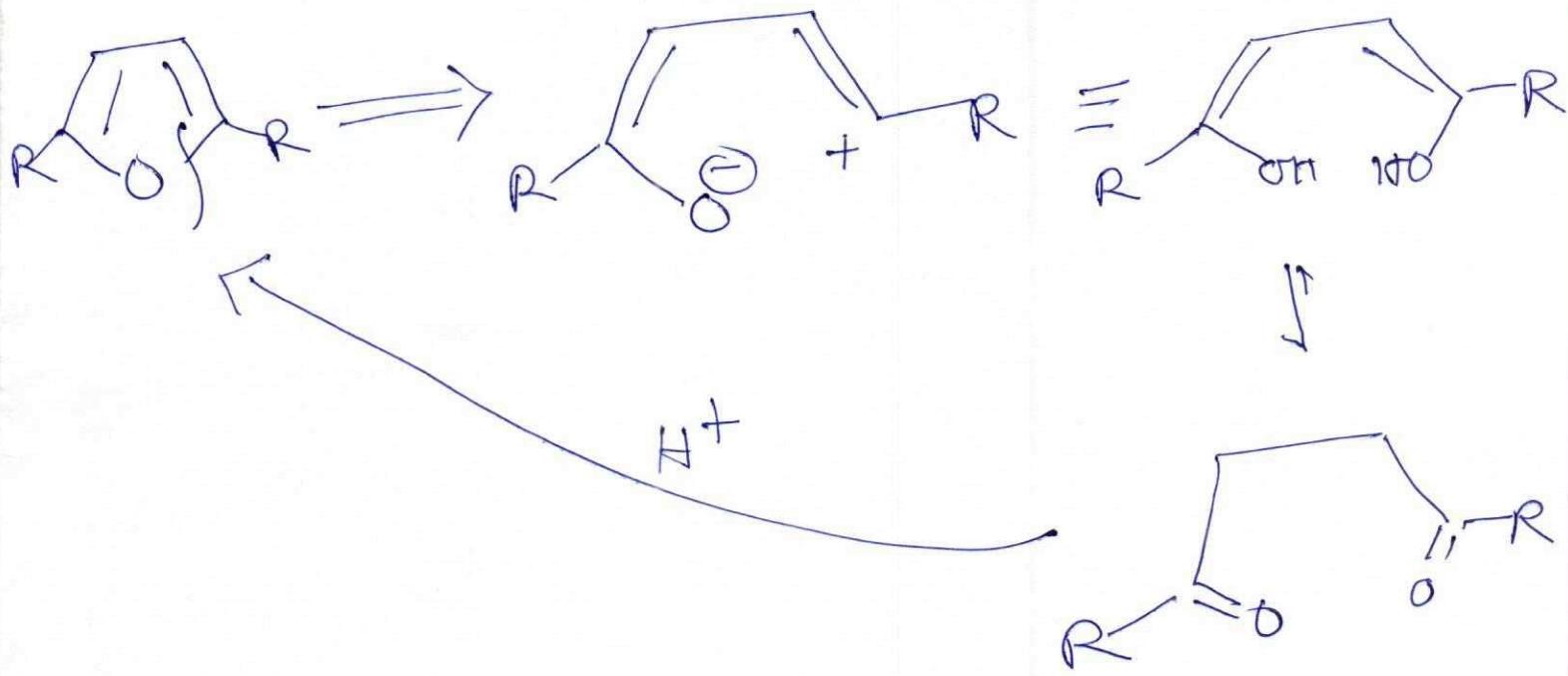
pyrrole

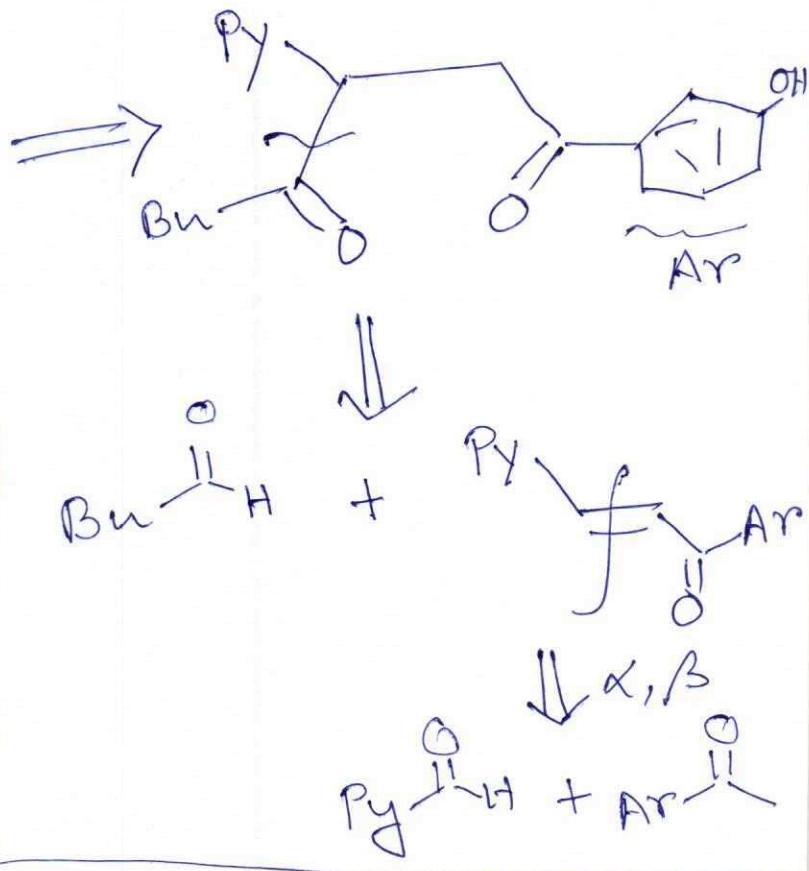
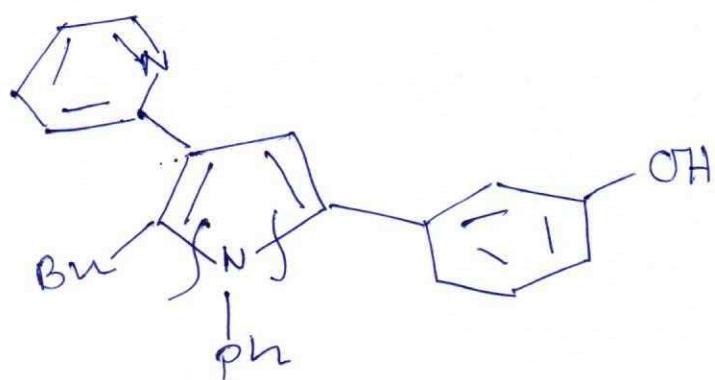
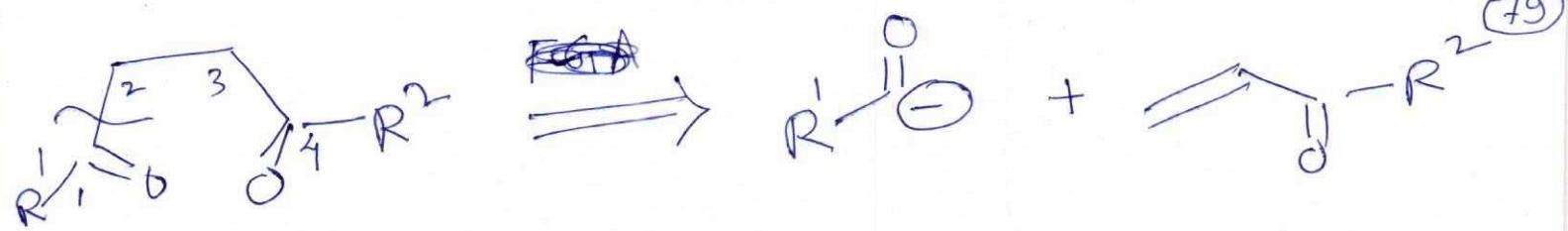


Pyridine



Indole

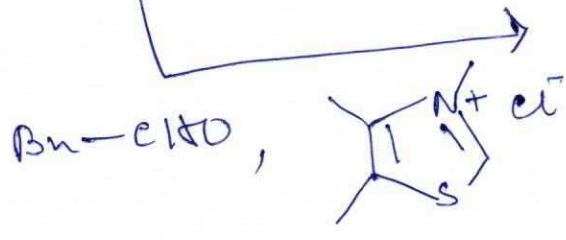
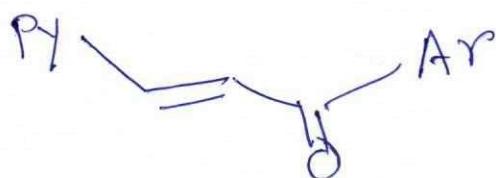




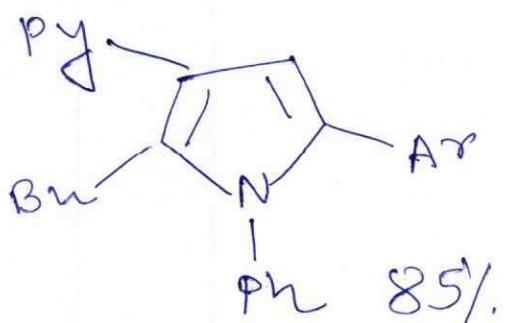
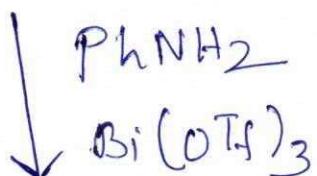
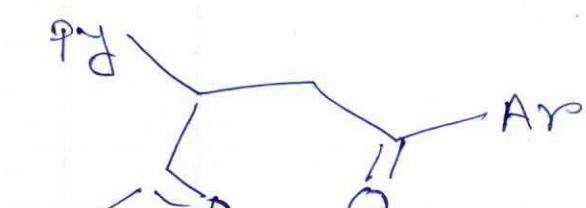
Synthesis:

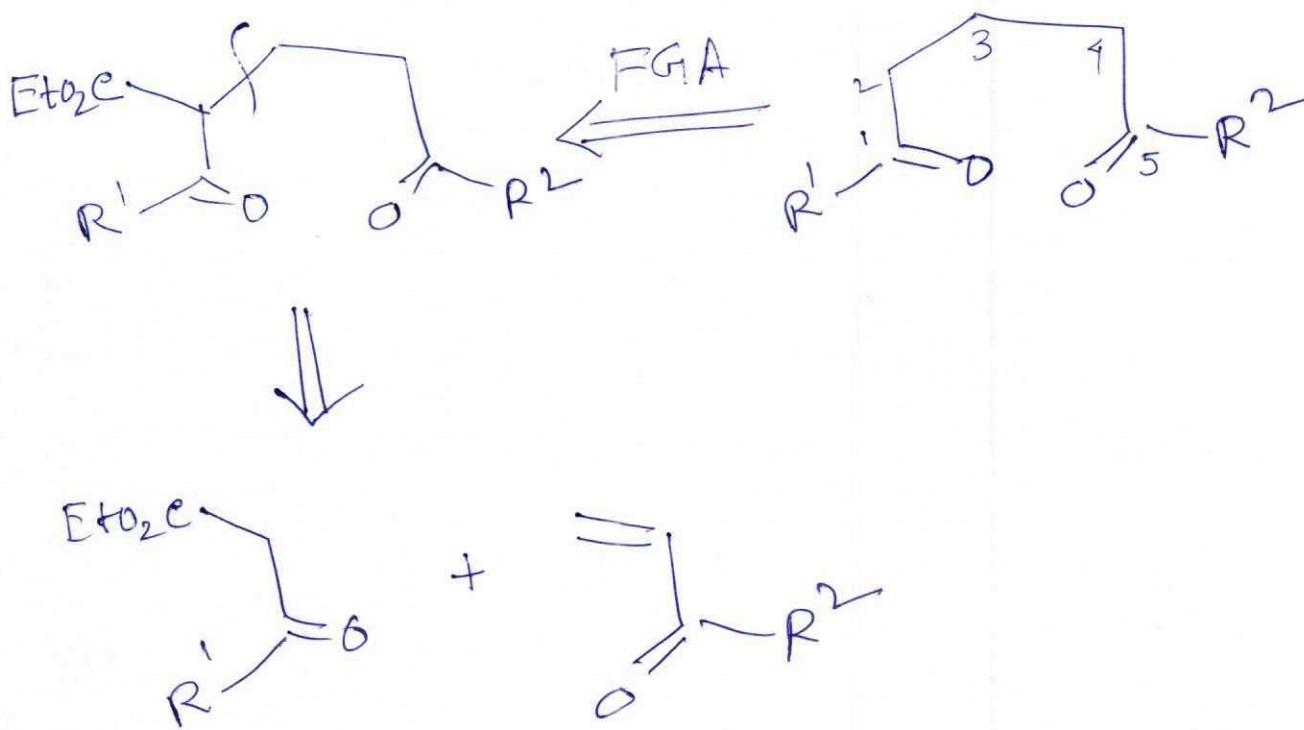
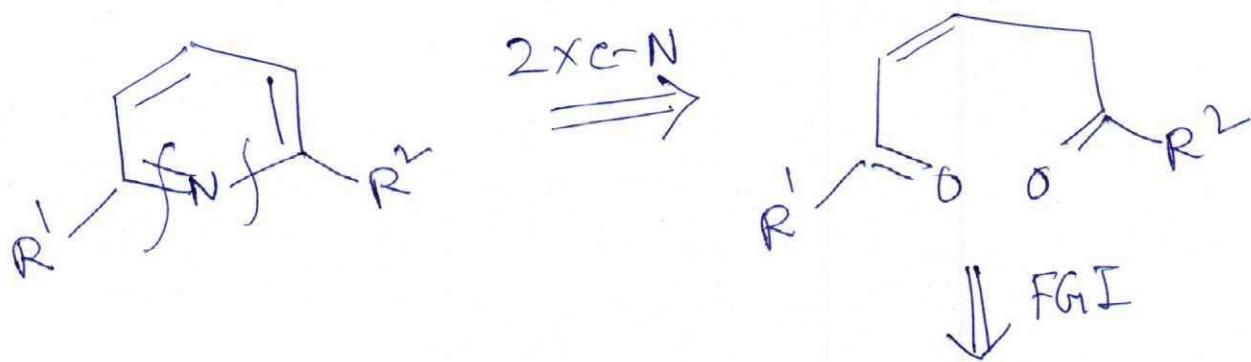
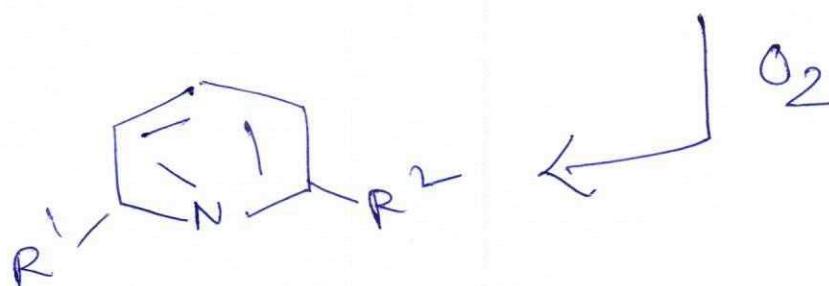
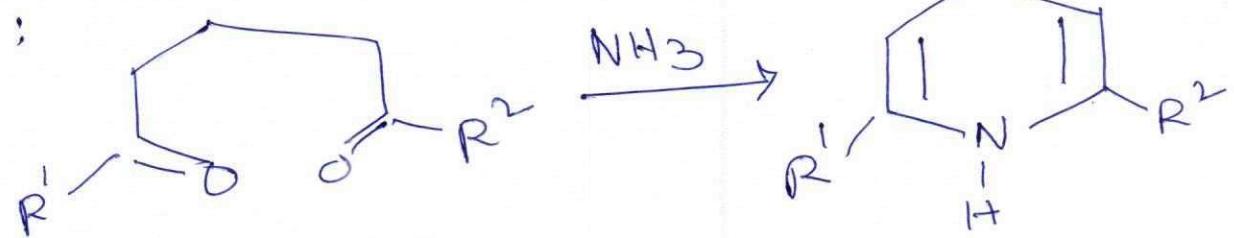


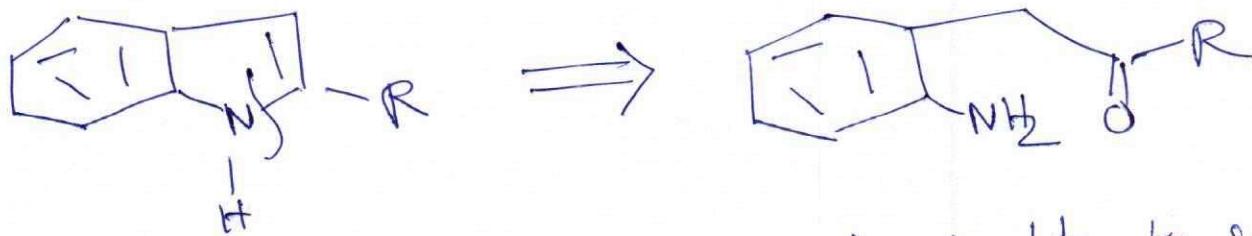
↓ Base



Stetter Rxn



Pyridine:Synthesis:

Indole

difficult to synthesize

