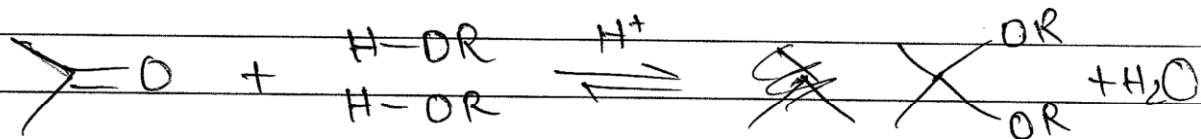
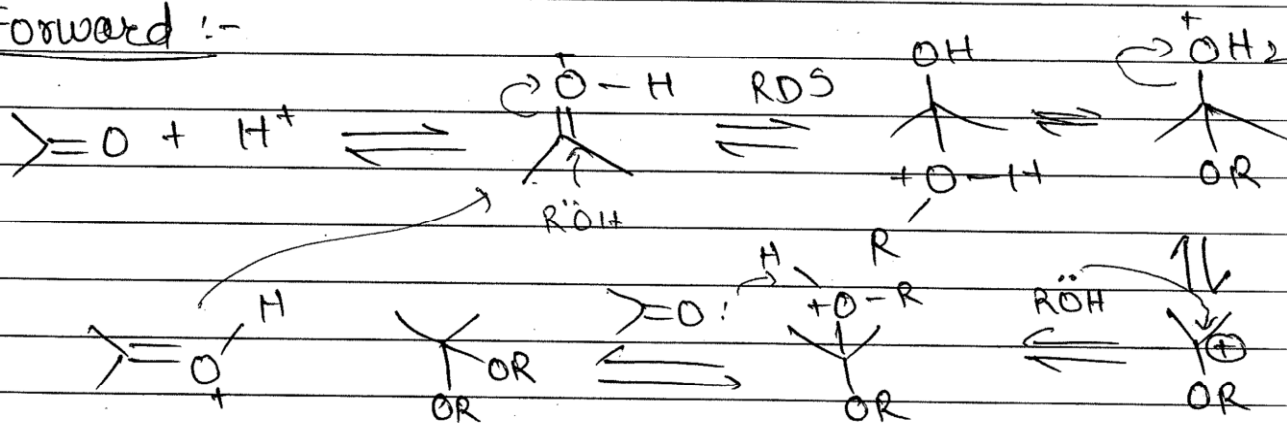


# # Acetyl and Ketal :-

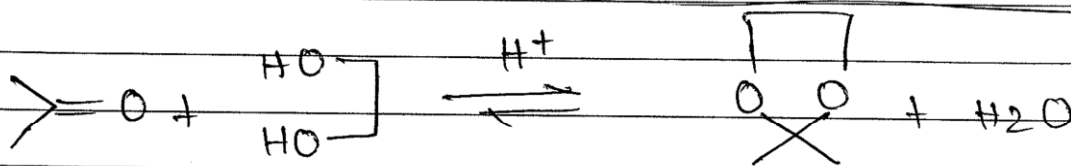
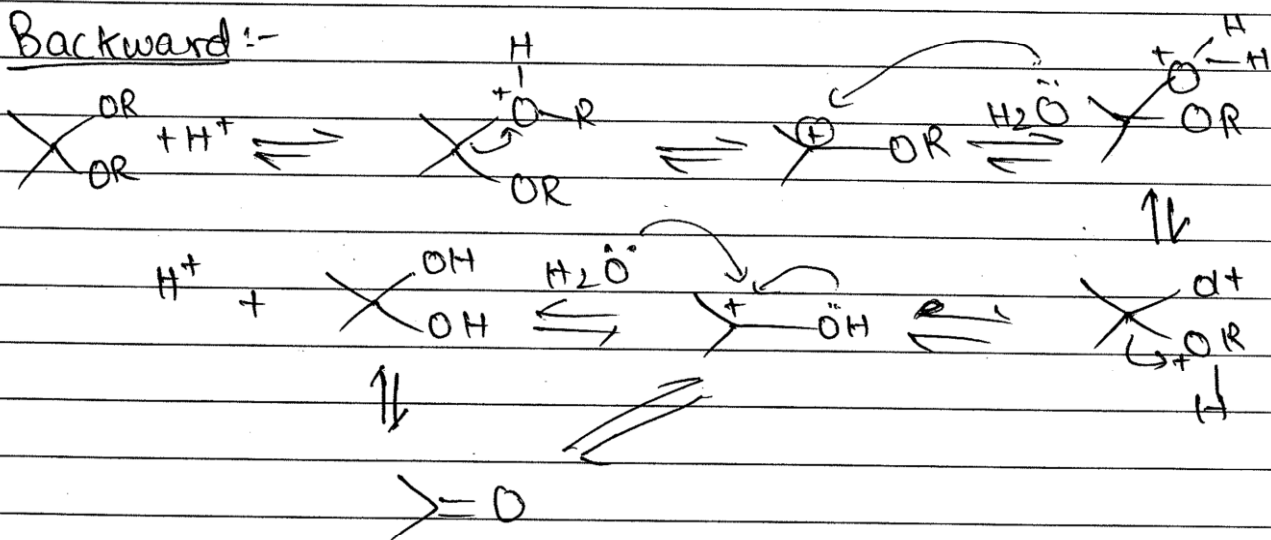
Date 16/02/22



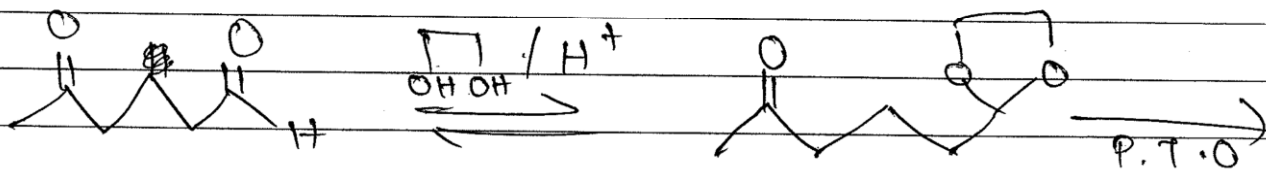
## Forward :-



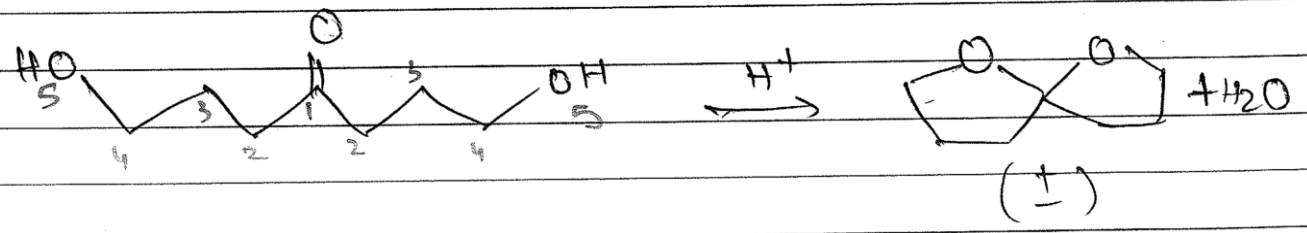
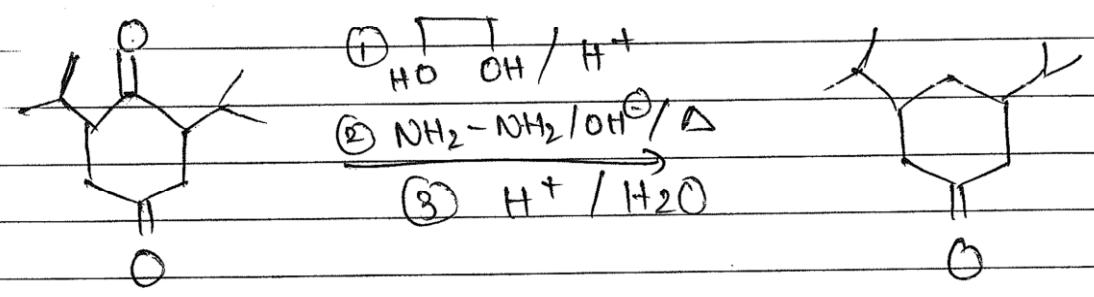
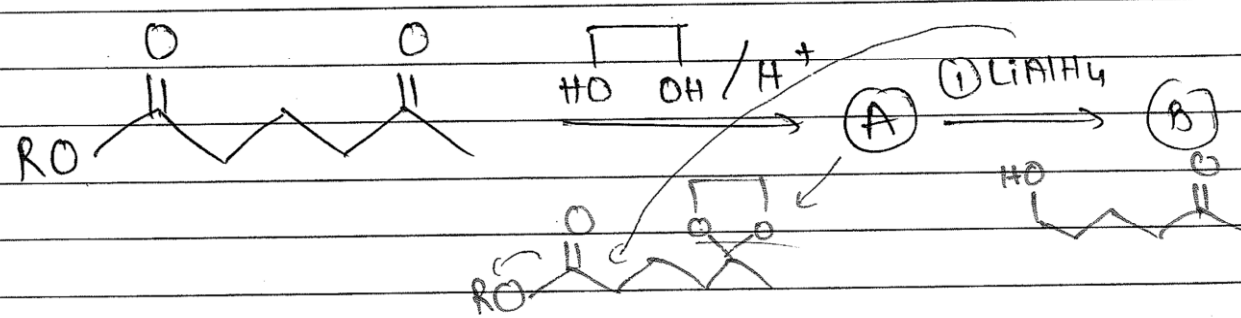
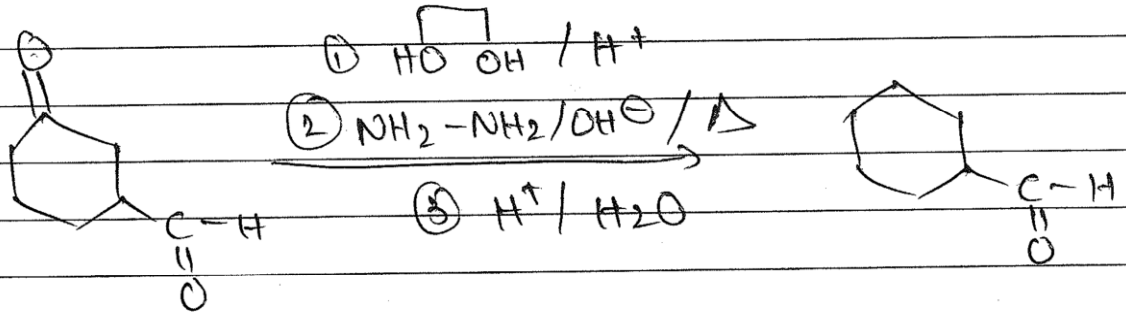
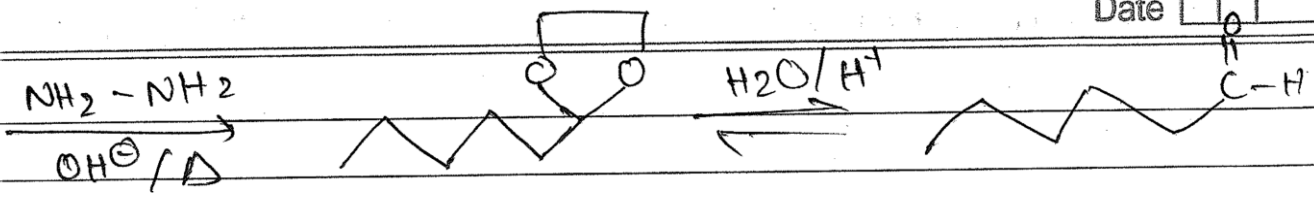
## Backward :-



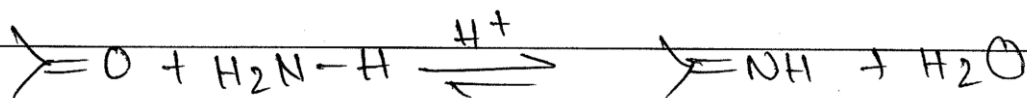
cyclic ketal



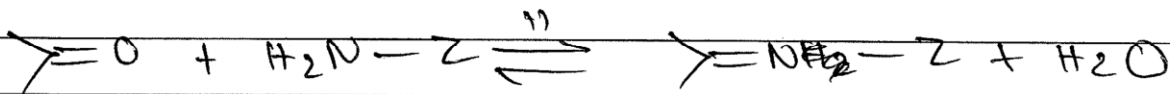
P.T.O



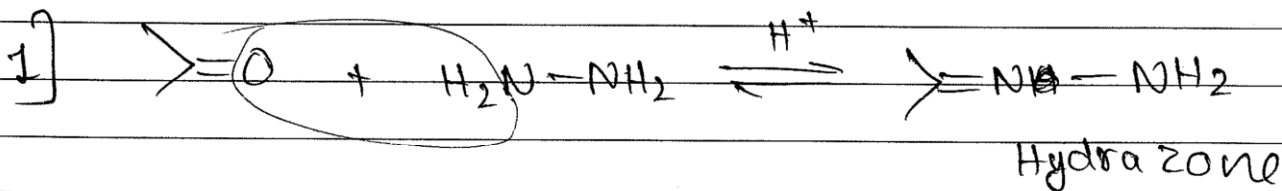
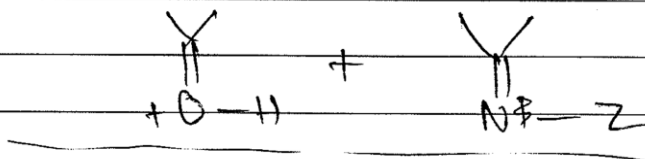
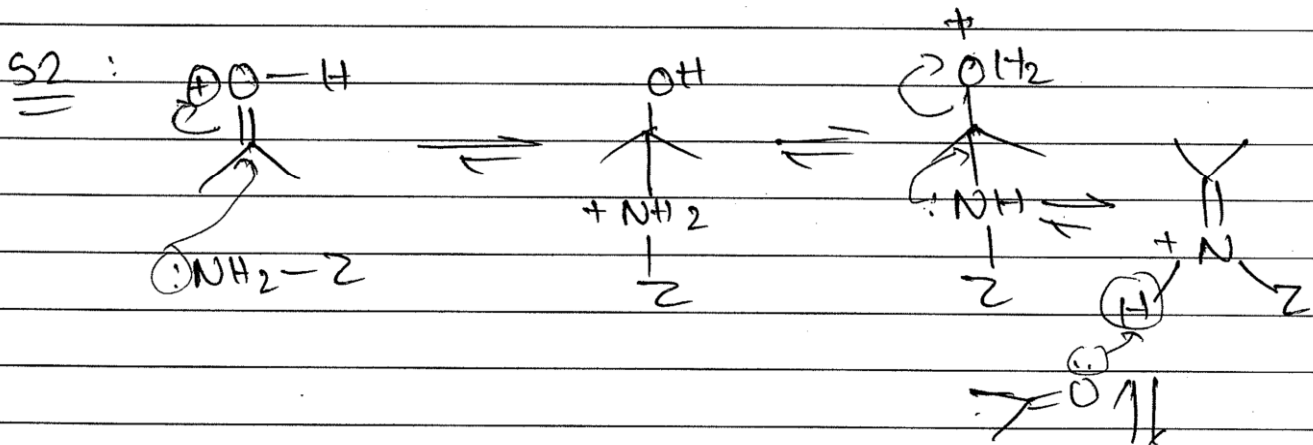
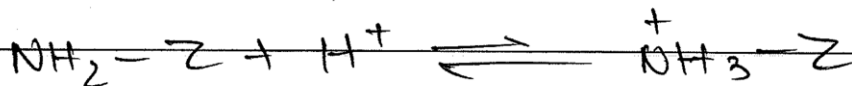
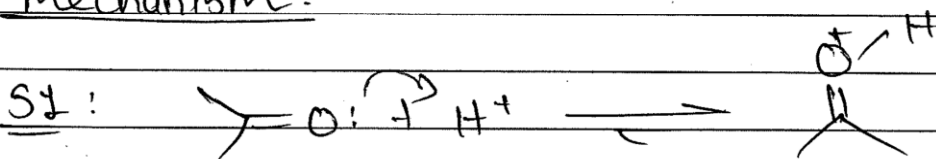
$\left. \begin{matrix} \text{OSX} \\ \text{POSX} \end{matrix} \right\} \text{OA}$

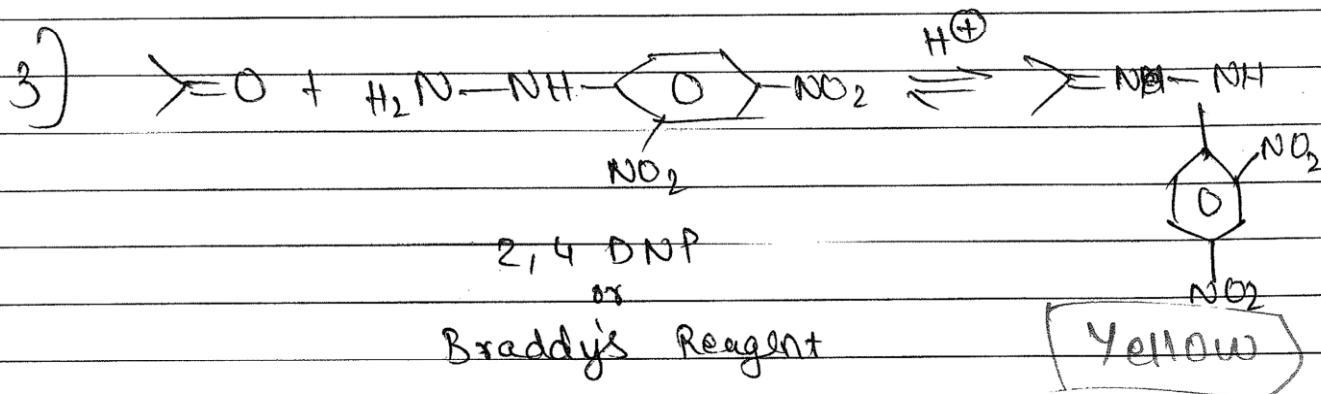
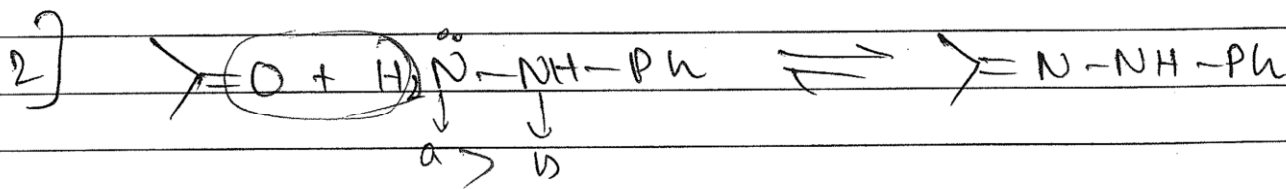


Amine / Schiff's ~~Base~~  
Base

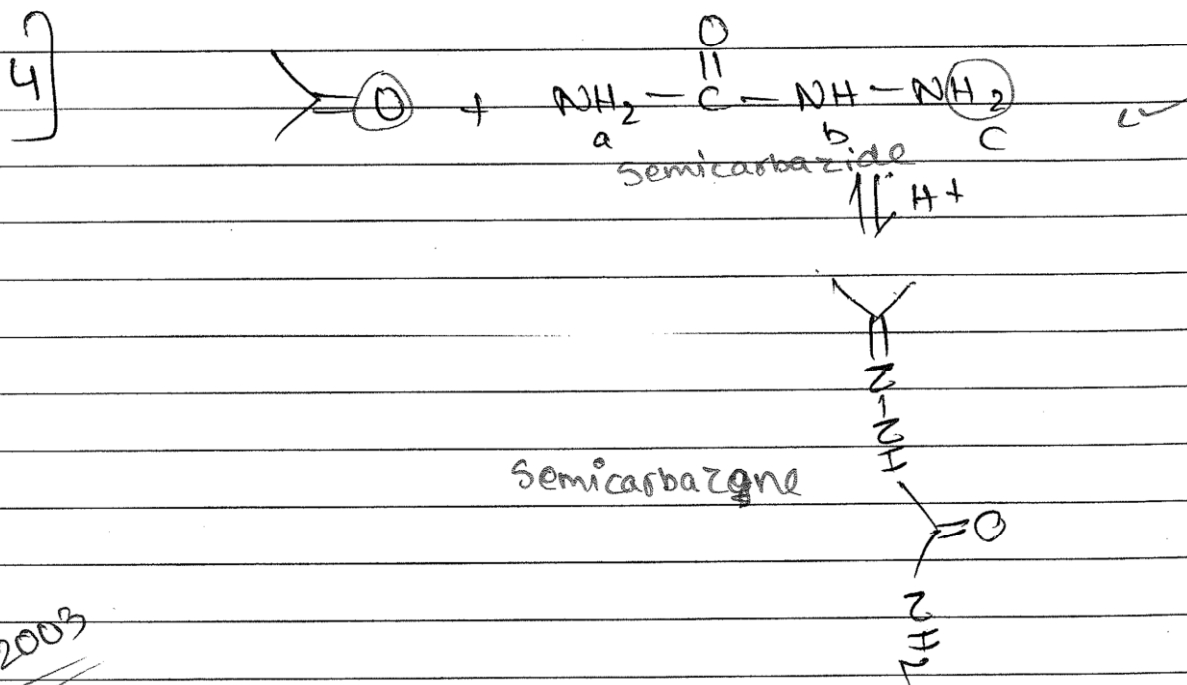


Mechanism:-

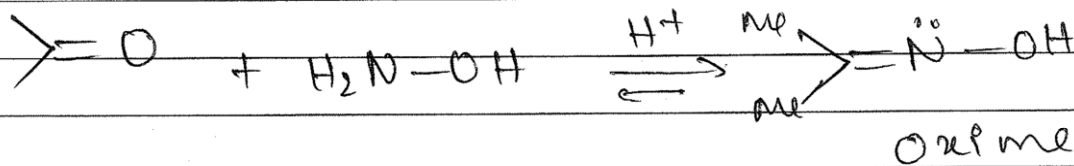


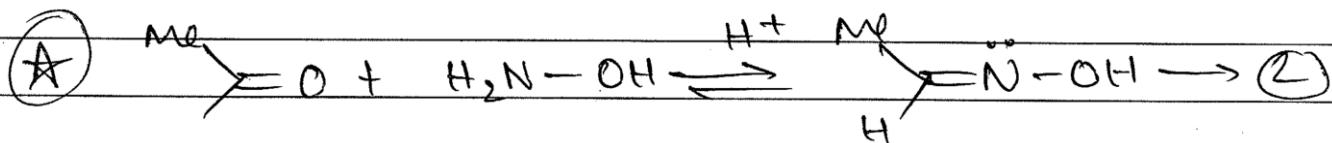
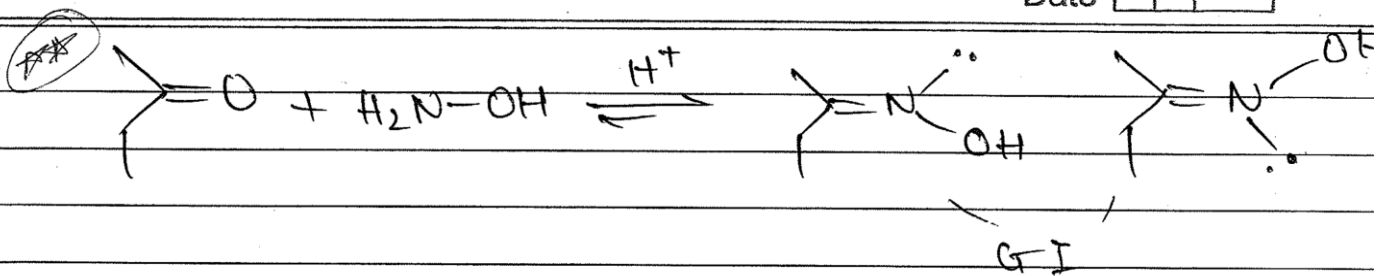


☆☆

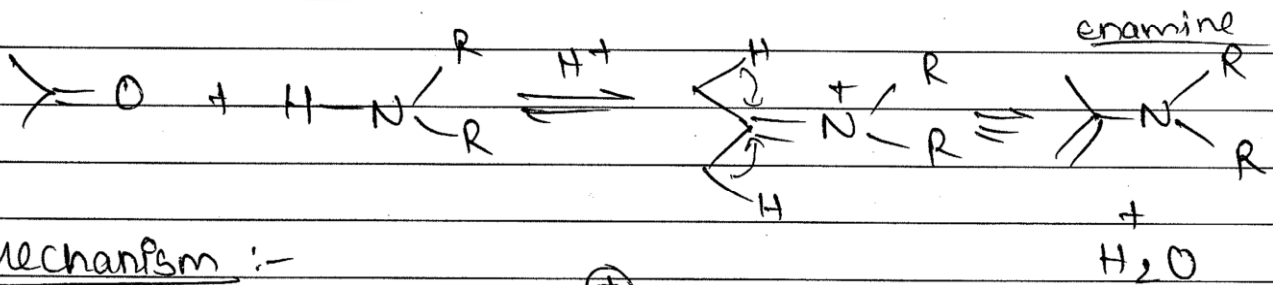
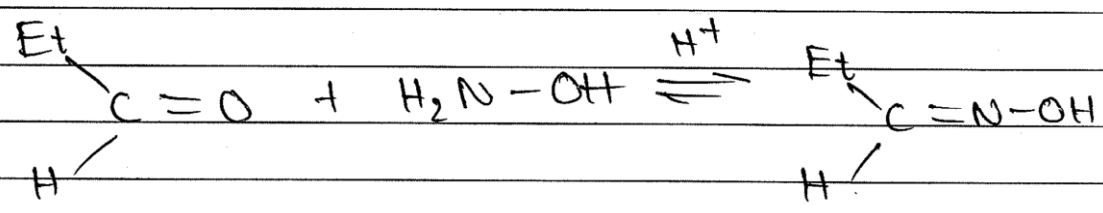


★ 2003

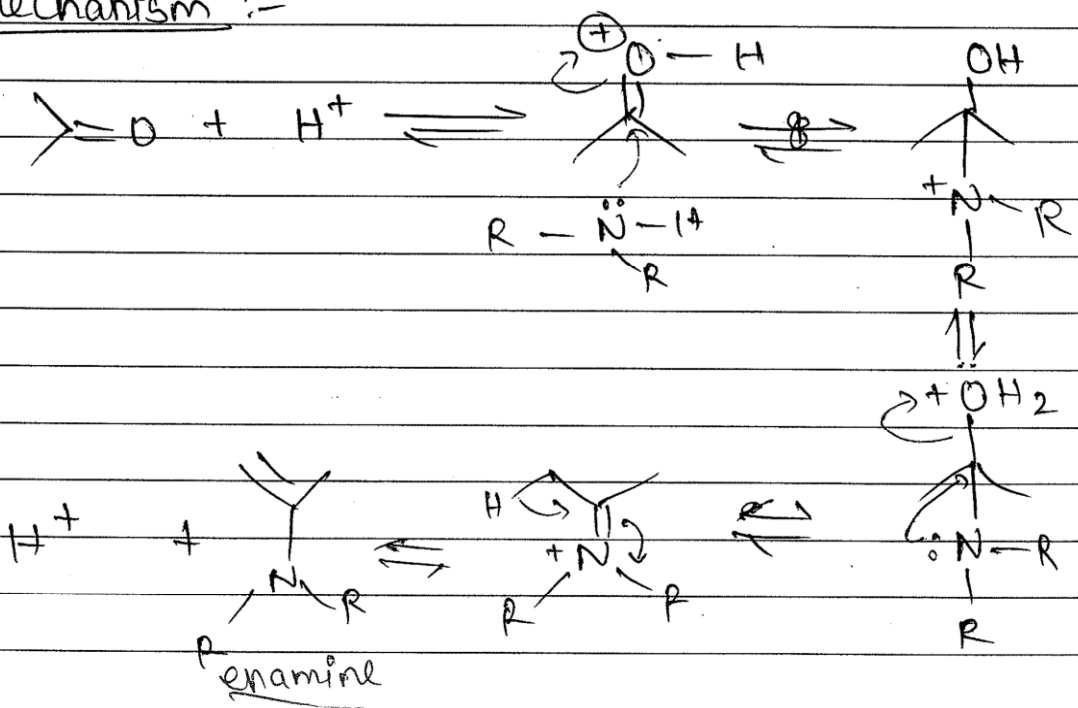




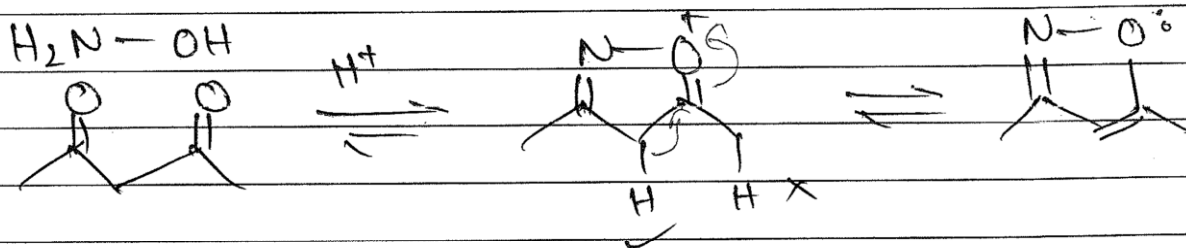
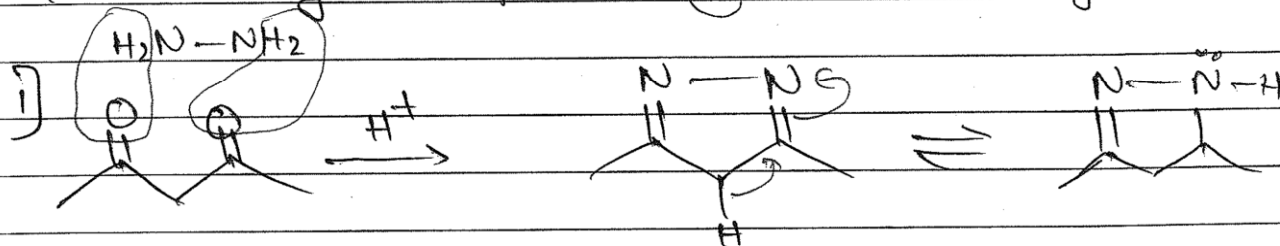
Next Higher Homologous + H<sub>2</sub>N-OH  $\xrightleftharpoons{\text{H}^+}$



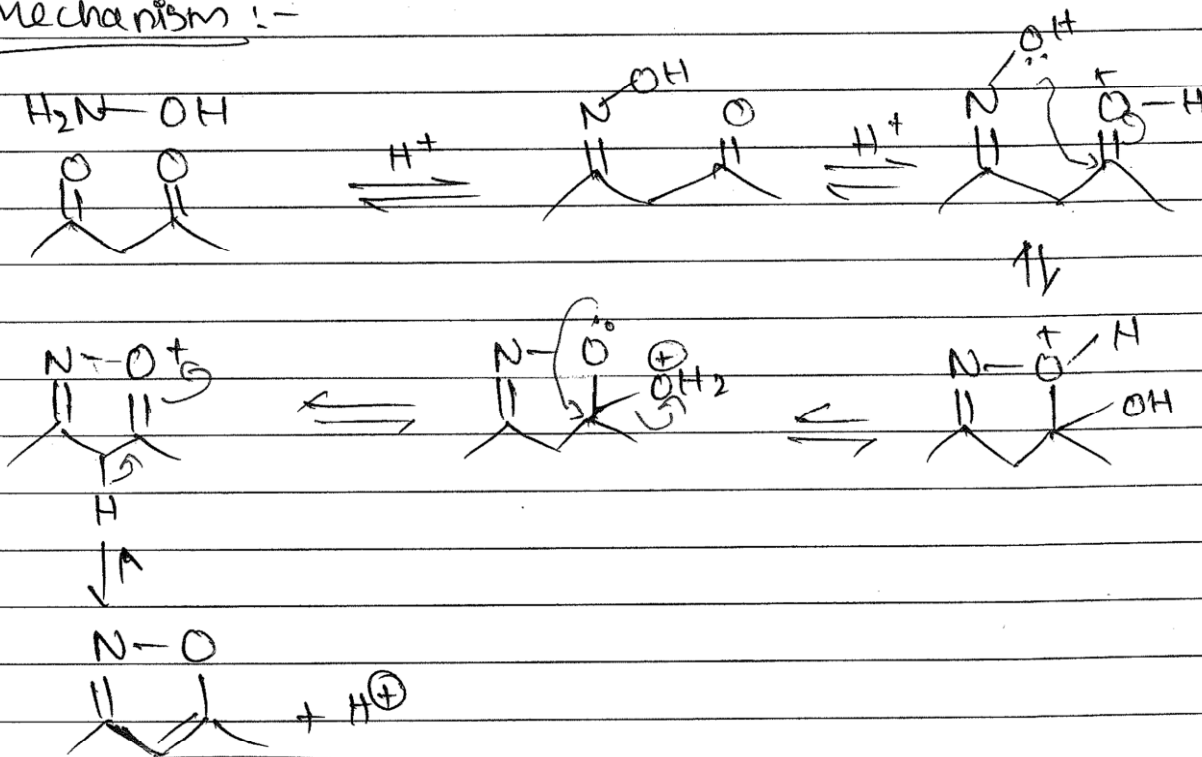
Mechanism :-



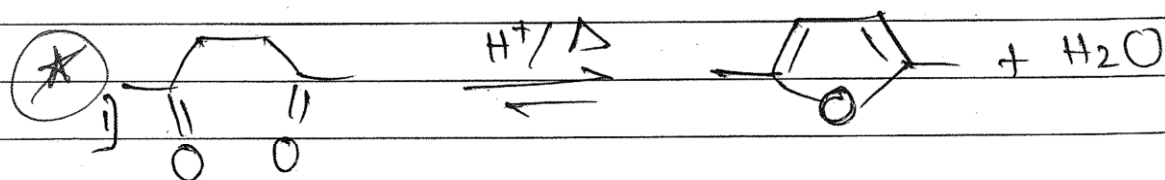
## # Dicarbonyl Compound (a) 1,3-Dicarbonyl

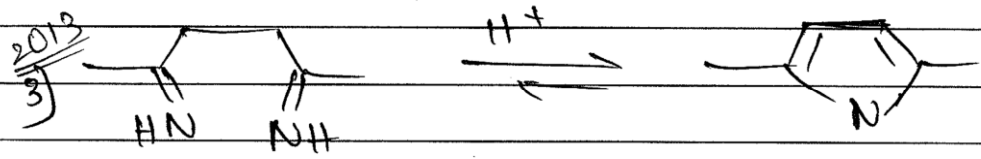
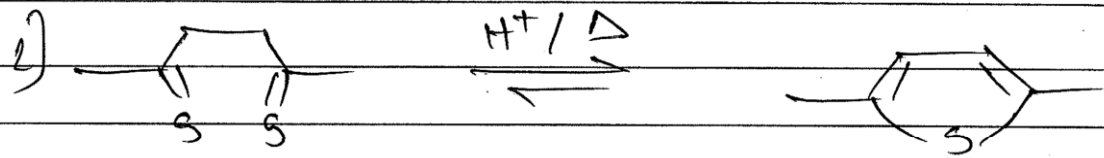


### Mechanism :-

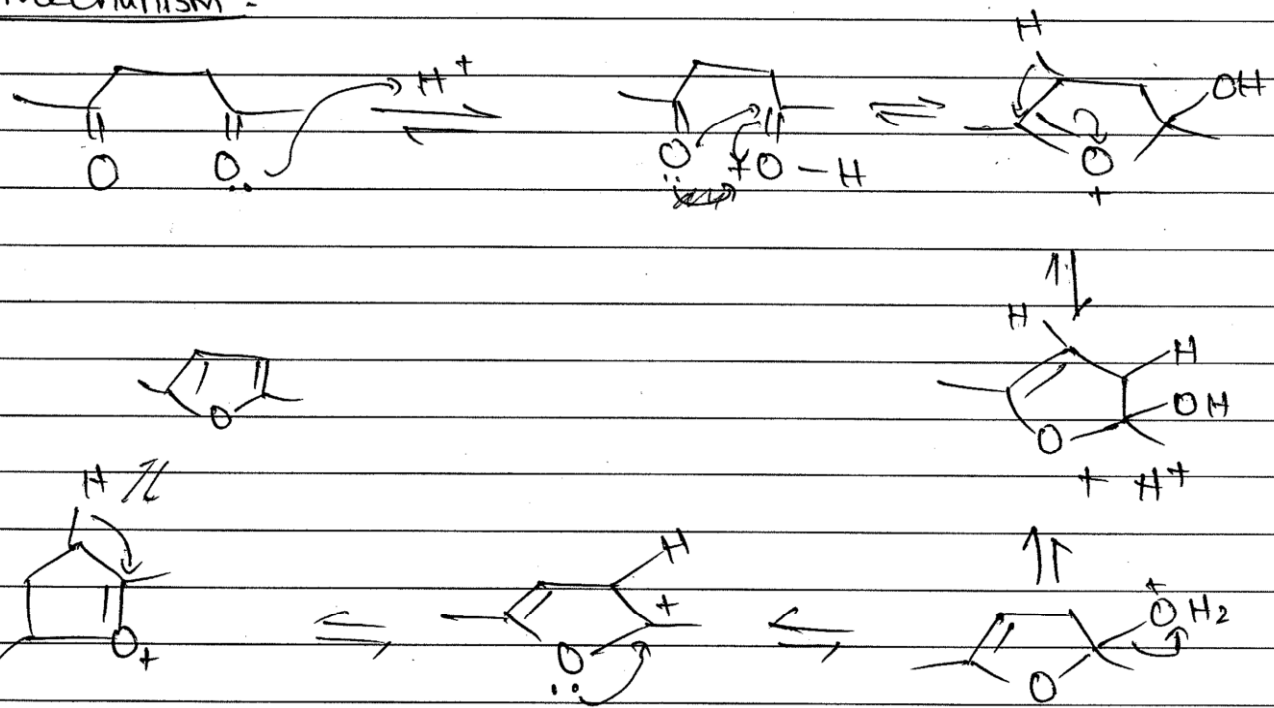


### 1,4 Dicarbonyl Comp :-

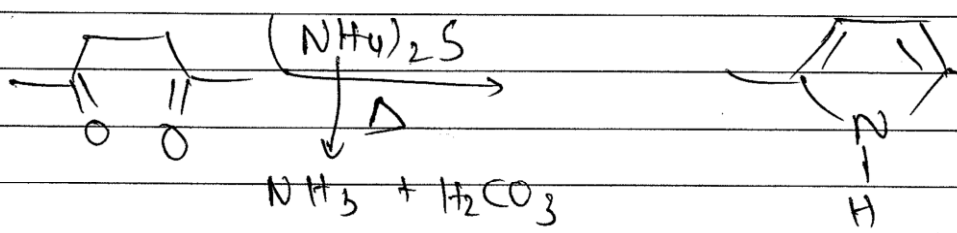
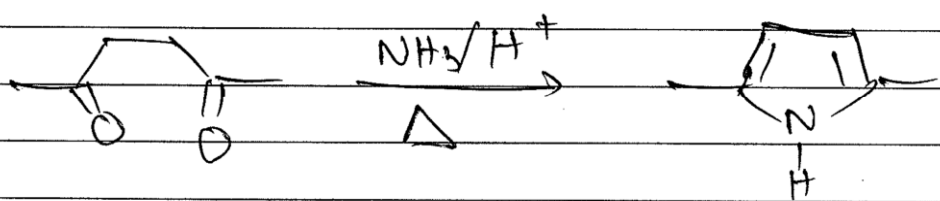


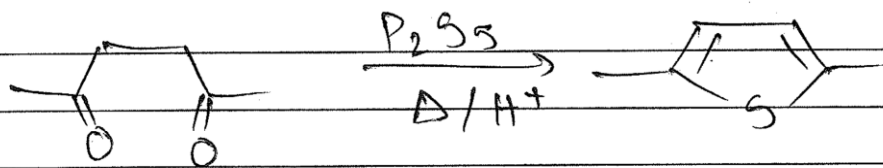


1) Mechanism :-

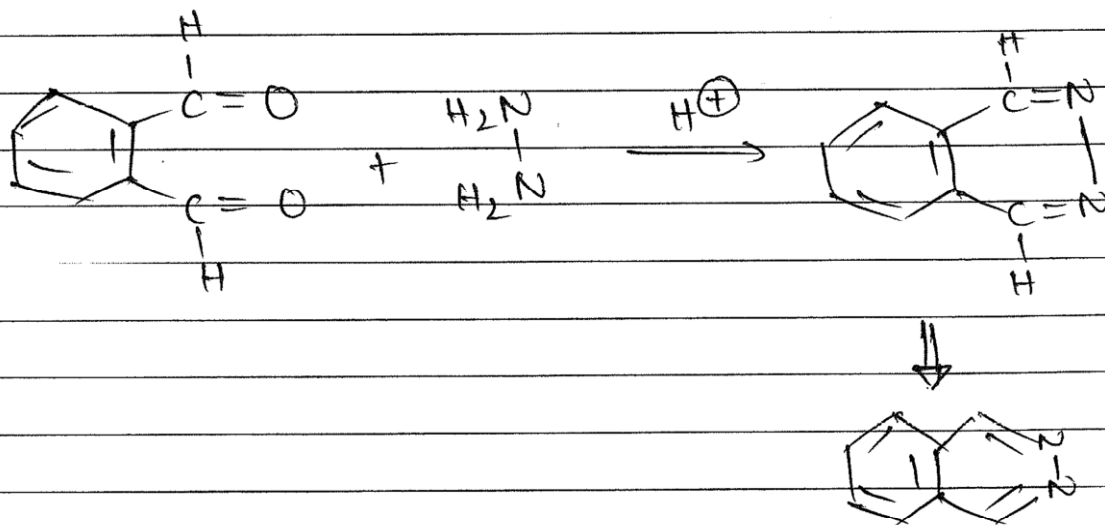
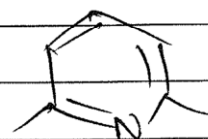
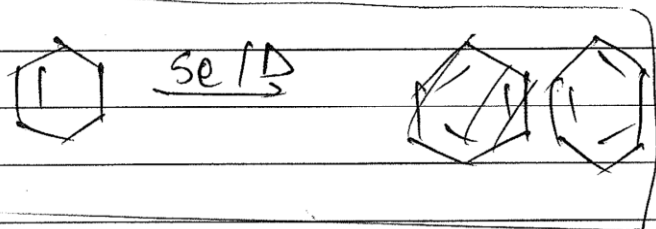
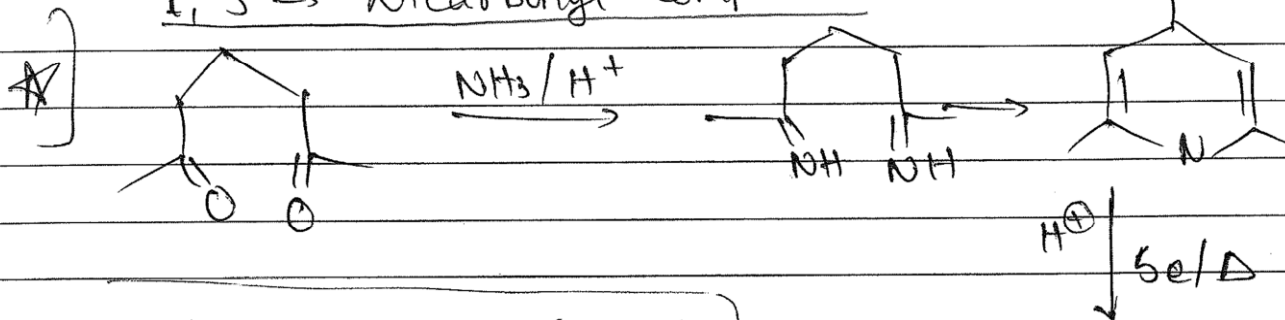


Paul & Knorr Rxn :-

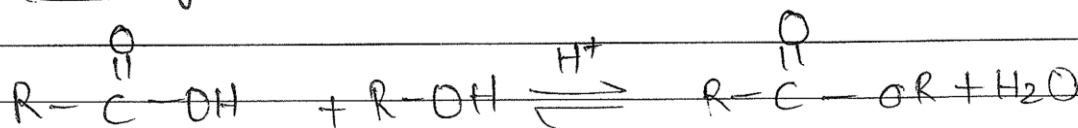




1,5 → Dicarbonyl compounds:-



**\*** Heating effect :-



Mechanism :-

