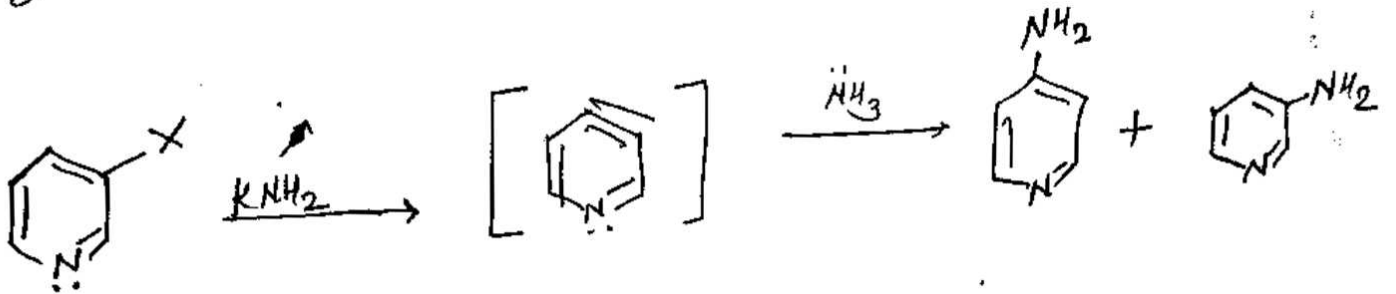
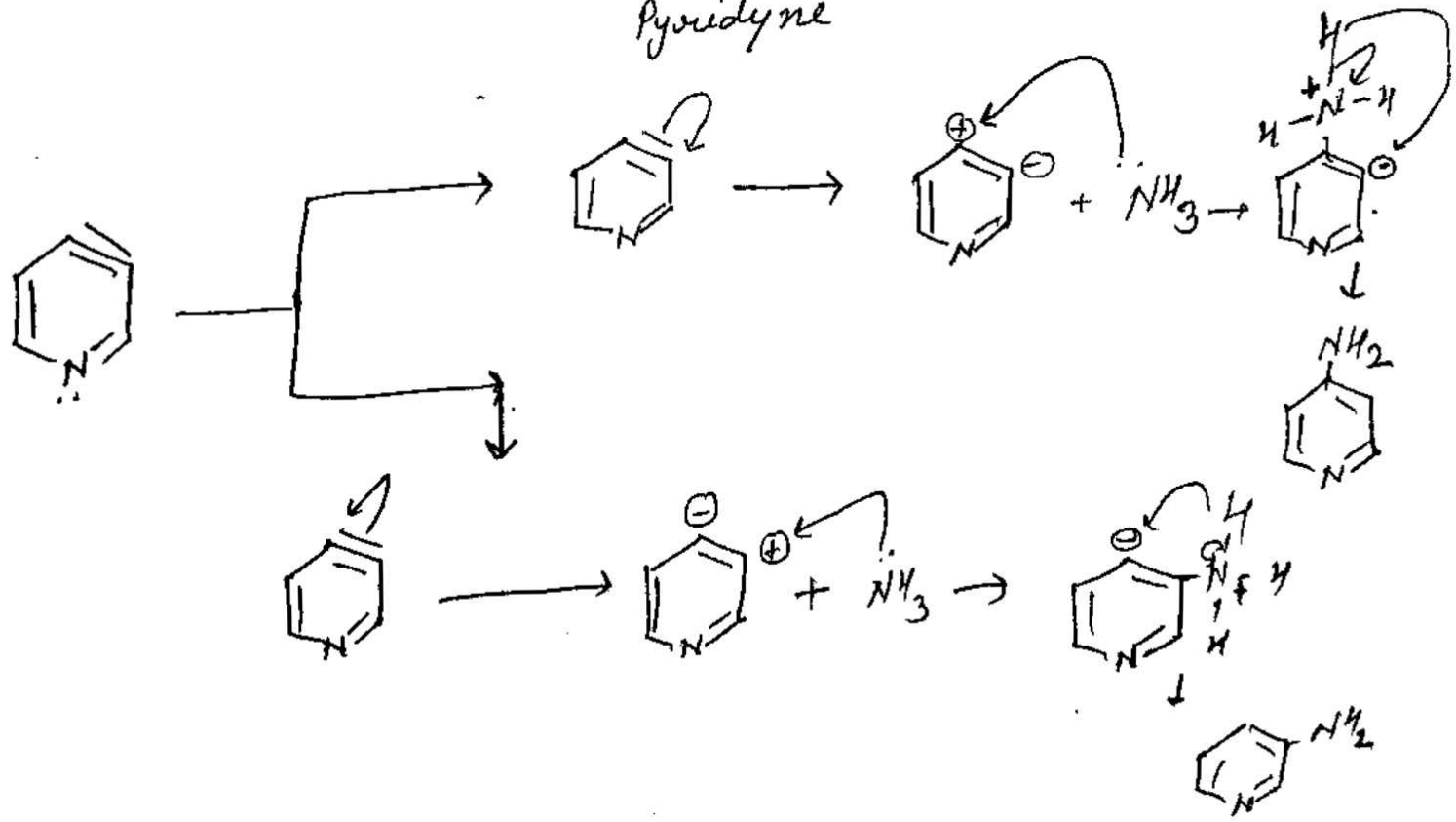
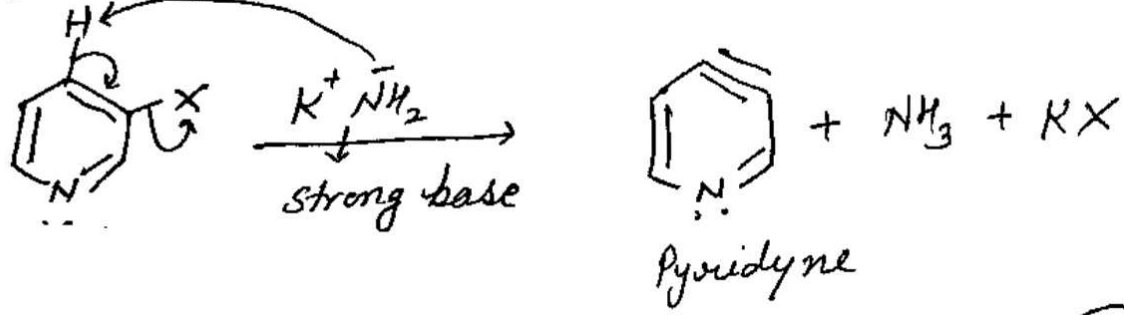


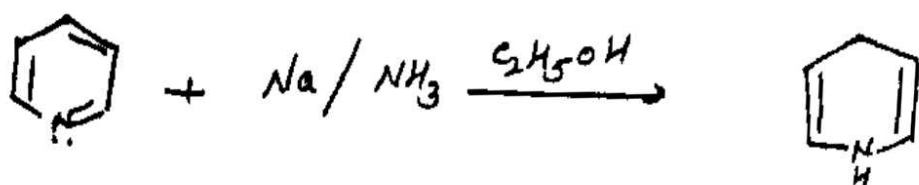
2) *with*



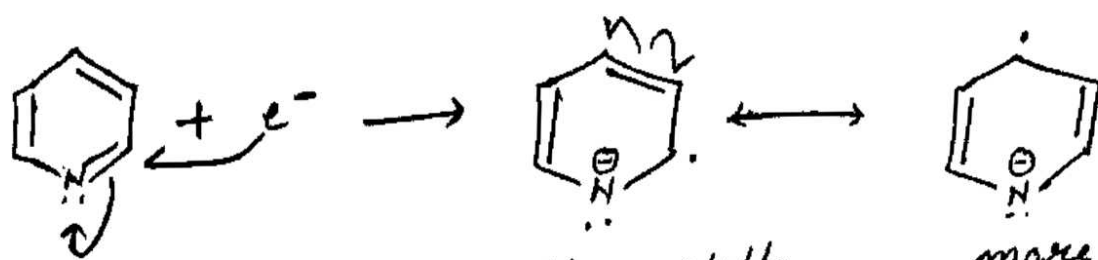
Mechanism: -



# Birch reduction :-

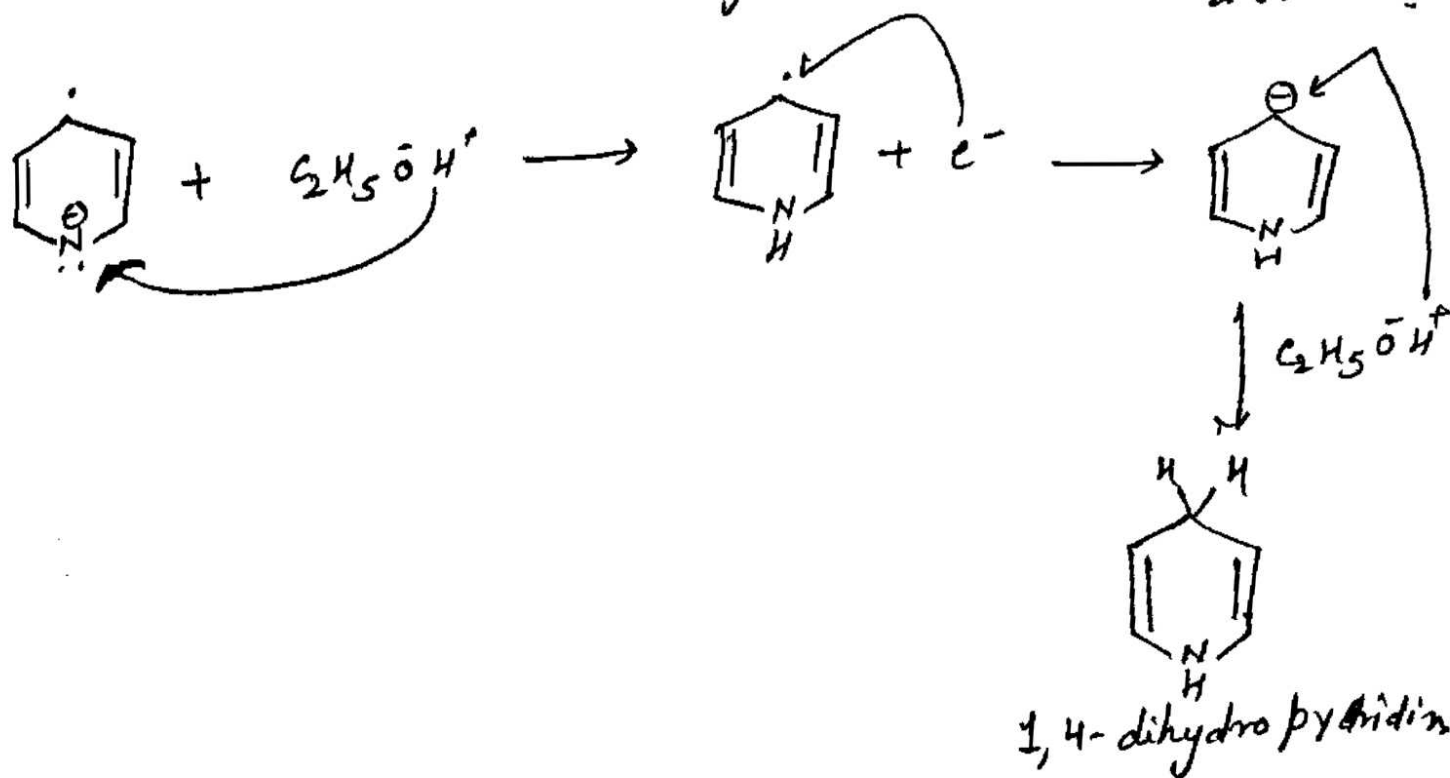


$\text{Na} + n\text{NH}_3 \longrightarrow e^-(\text{NH}_3)_n \text{Na}^+$  solvated electrons act as reducing agent



Highly unstable  
e<sup>-</sup> and '-ve' charge  
proximity

more stable  
bcz  
e<sup>-</sup> and '-ve' charge  
at max. possible  
distance.



# Fischer's Indole synthesis

