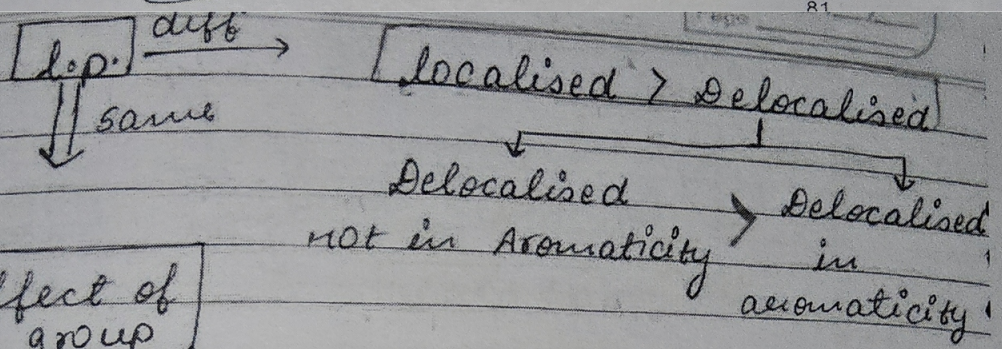
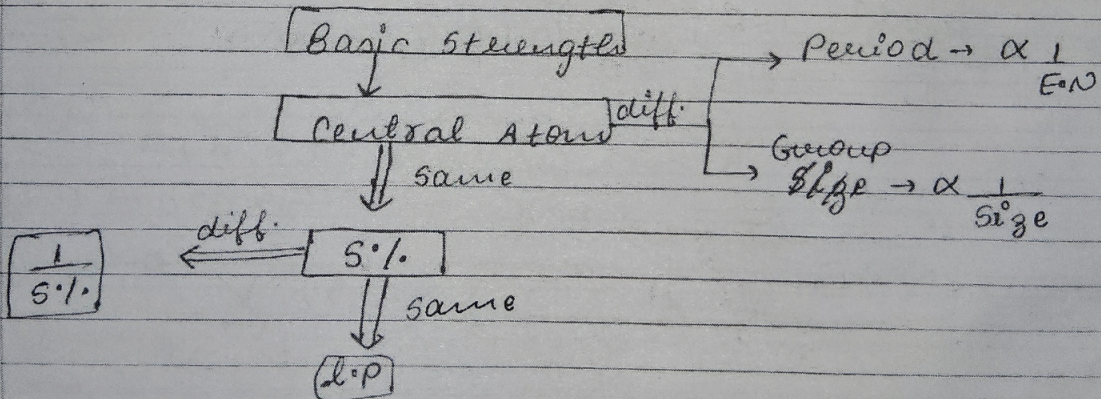
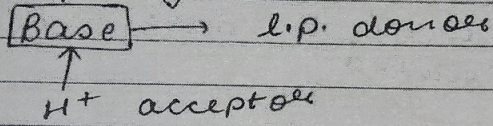
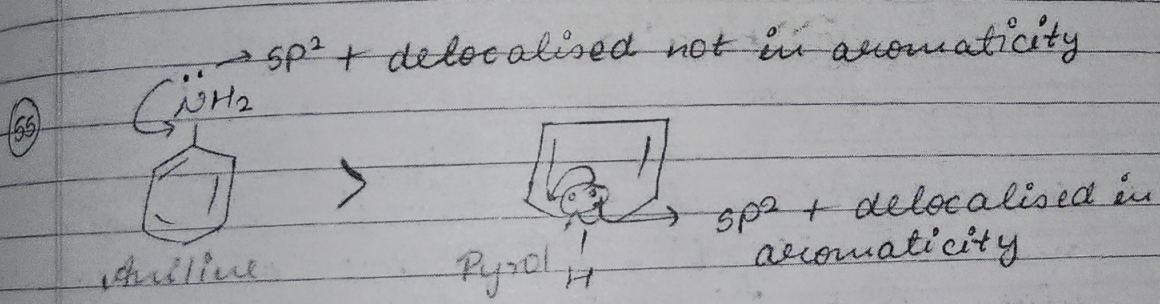
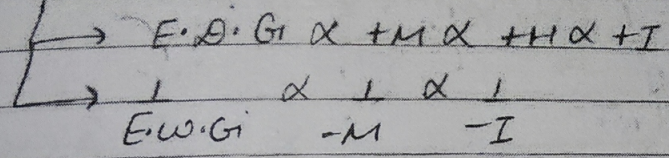


Shubham sharma
 AIIMS GUWAHATI
 ORGANIC CHEMISTRY GOC 1 basic strength
 Weightage 1 question

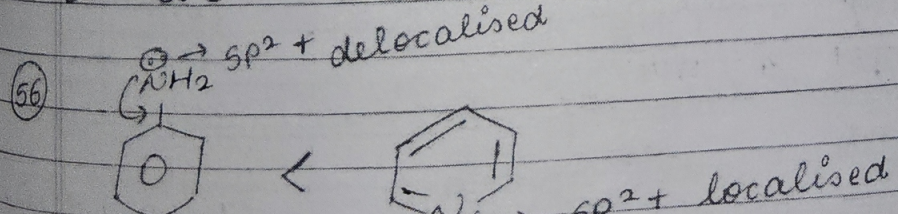
Basic Strength
 on donor

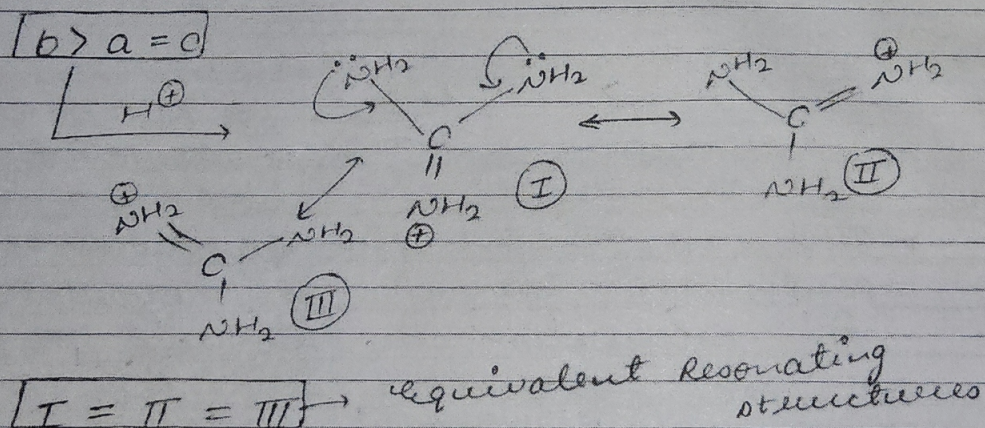
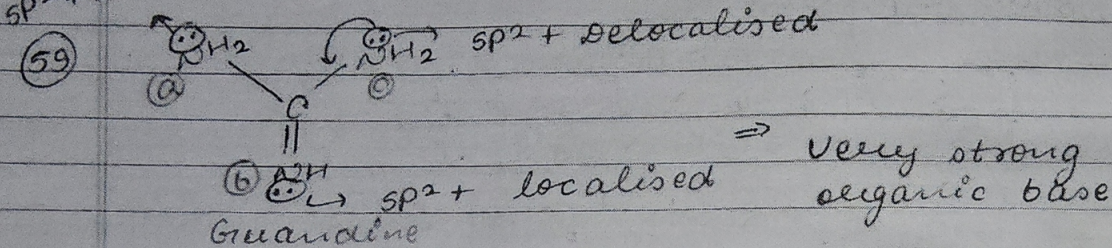
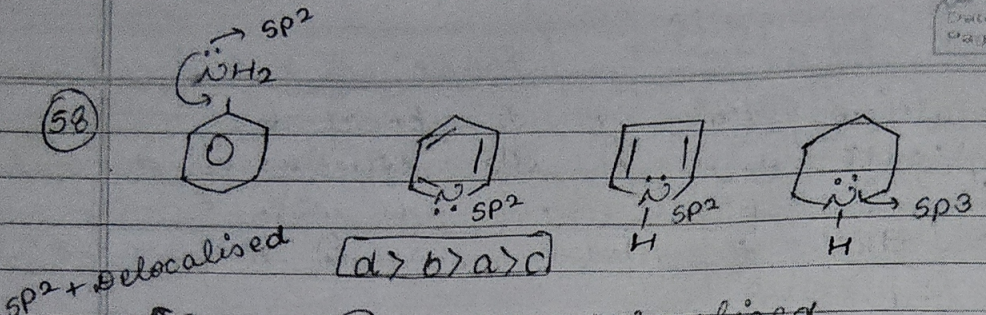
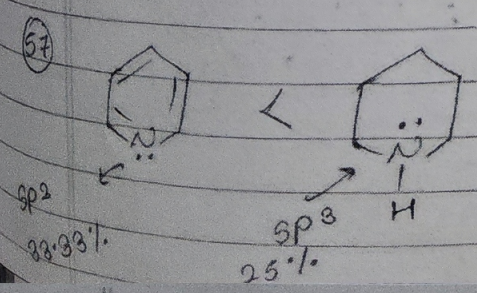


Effect of group

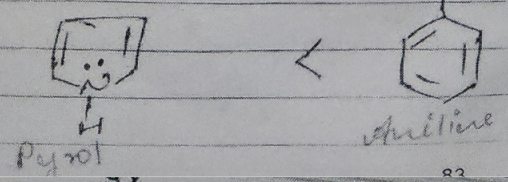
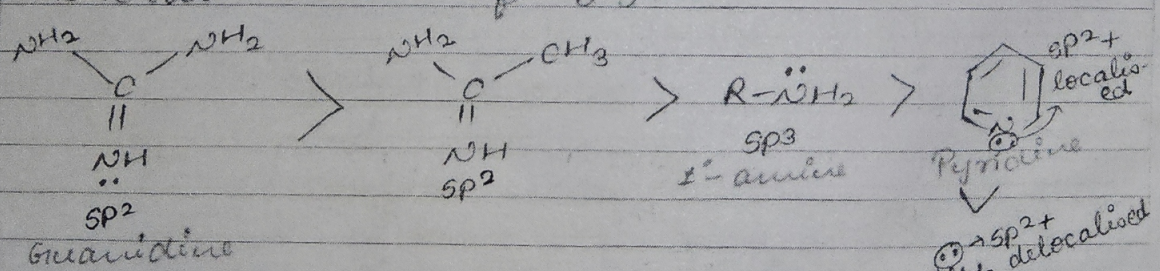


\rightarrow Hybrid l.p. π \ominus ve charge resonance π participate \ominus calculation \ominus use del. \ominus & 35% delocalised \ominus \ominus !





General order of B.S. \rightarrow



\rightarrow Guanidine एक S.B है because इसके conjugate acid में तीन equivalent R.S. होती है जिससे conjugate acid की stability \uparrow जाती है जिससे O/A की B.S भी \uparrow जाती है।

Conjugate acid

Size of $G \uparrow \equiv S.T.P \uparrow \equiv B.S \downarrow$

$[a > b > d > G] \rightarrow$ SIP

\rightarrow SIP, ^{effect} only applicable in Aniline.

\rightarrow when bulky group is present at ortho position of Aniline then SIP effect is observed.

\rightarrow Due to SIP effect B.S. of Aniline \downarrow is