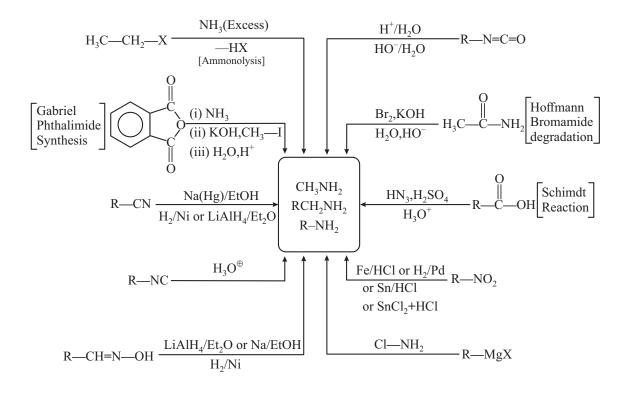
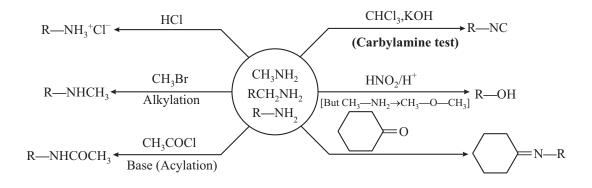
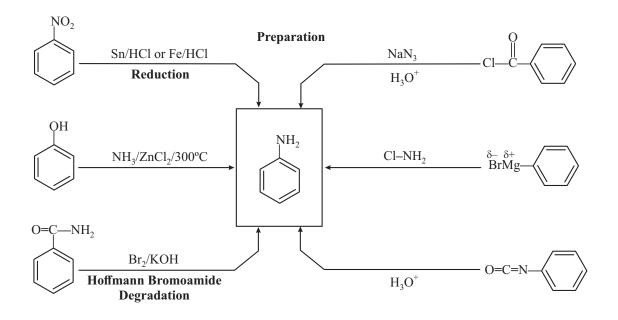


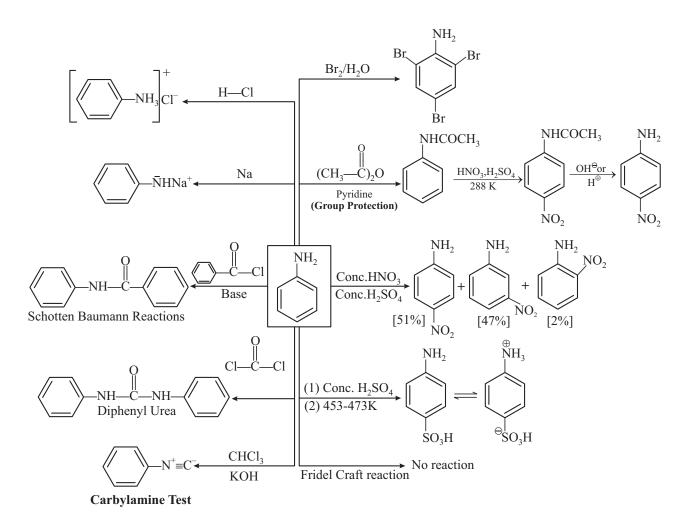
9

## **Amines**









## Benzene Diazonium Chloride Reaction -ОН Cu/HCl Gatterman reaction $NH_2$ -NH<sub>2</sub> Cu/HBr Coupling reaction $H_2N$ $C_2H_5OH/\Delta$ Н -NH—CH<sub>3</sub> or $H_3PO_2/\Delta$ $NaNO_2/HCI[0^{\circ}-5^{\circ}C]$ ÒН ŎН $H_2O/H^+$ 283K CuCl/HCl ΚI Sandmeyer reaction HBF CuBr/HBr <sup>+</sup>NCl⁻ $\overline{N}_2BF_4^ NO_2$ ${\rm HBF_4}$ CuCN/KCN $\frac{\mathrm{NaNO_2}}{\mathrm{Cu/\Delta}}$