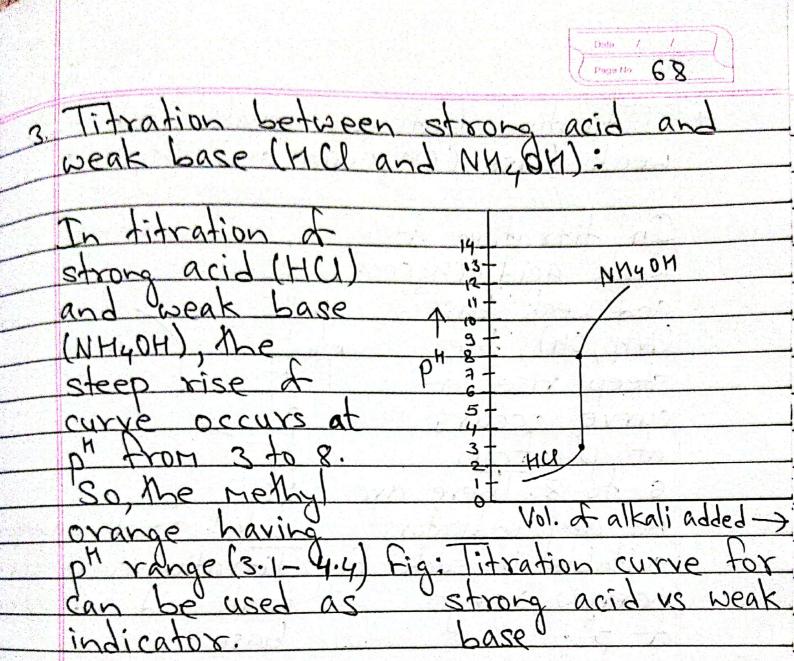
Indicators and it's selection in acid-base titration: Indicators are the substances which during the fitration by the sharp change of it's colour. The selection of a suitable indicator for particular acid-base titration depends upon the nature of acid and base used in the titration. There are four types of acid-base titrations and the correct selection of indicates on the basis of nature of titration curve are explained as to

Pajatio 66 Titration between strong acid-strong base CHICH and NAOH): g acid-strong In a ditration of MOOM strong, acid (HCP) and strong base (NAOH), the steep Any indicator capable - Uchanging it's vol. of alkali added -> ion curve for In this ditration methyl orange Trange (3.1-4.4) and phenolphthalein M range 8.2-10) can

Propries 67 2. Titration between weak acid and strong base (Ch3COOM and NaOH): In titration of weak acid (CM2COOM) base (NaOH), the steep rise of CNZCOOM Vol. & alkali added -> ig: litration curve for weak acid us



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4. Titration between weak acid and weak base (Ch3cook and NM40H): In ditration of weak acid (CN3COOM) and weak base (NH,OH), the no any indicators harron range

