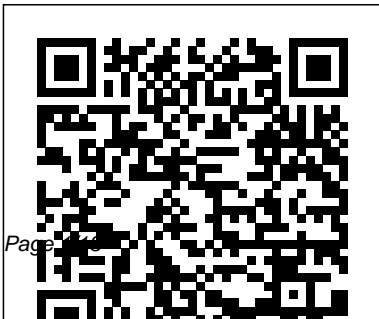


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change in the titration of strong base  
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change by common ion ( $\text{CH}_3\text{COO}^-$  ion) hydroxide by titrating it against N/10 or in case of weak acid ( $\text{CH}_3\text{COOH}$ ) 5. To M/20 solution of oxalic acid 4. To determine the change in pH value of determine the strength of a given weak base ( $\text{NH}_4\text{OH}$ ) in presence of a solution of hydrochloric acid by common ion ( $\text{NH}_4^+$ ) Viva-Voce titrating it against a standard N/10 or 4. Chemical Equilibrium 1 To study the M/20 sodium carbonate solution Viva-Voce shift in equilibrium between ferric ions and thiocyanate ions by changing the concentrations of either of the ions 6. Qualitative Analysis Analysis of Anions Analysis of Cations Viva-Voce 2. To study the shift in equilibrium between  $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$  and  $\text{Cl}^-$  ions by changing the concentrations of either of the ions Viva-Voce 5. 7. Detection of Elements in Organic Compounds 1. To detect the presence of nitrogen, sulphur and halogens in a given organic compound by Lassaigne ' s test 2. To detect the presence of nitrogen, sulphur and halogens in the given organic compound sample number ..... by Lassaigne ' s test Viva-Voce

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