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# 18BP009 PHARMACEUTICAL ANALYSIS-I LABORATORY

## LABORATORY EXPERIMENTS

### I. PREPARATION AND STANDARDIZATION OF

- (1) Sodium hydroxide
- (2) Sulphuric acid
- (3) Sodium thiosulfate
- (4) Potassium permanganate
- (5) Ceric ammonium sulphate

### II. ASSAY OF THE FOLLOWING COMPOUNDS ALONG WITH STANDARDIZATION OF TITRANT

- (1) Ammonium chloride by acid base titration
- (2) Ferrous sulphate by Cerimetry
- (3) Copper sulphate by Iodometry
- (4) Calcium glaciante by complexometry
- (5) Hydrogen peroxide by Permanganometry
- (6) Sodium benzoate by non-aqueous titration
- (7) Sodium Chloride by precipitation titration

### III. DETERMINATION OF NORMALITY BY ELECTRO-ANALYTICAL METHODS

- (1) Conductometric titration of strong acid against strong base
- (2) Conductometric titration of strong acid and weak acid against strong base
- (3) Potentiometric titration of strong acid against strong base

### RECOMMENDED BOOKS: (LATEST EDITIONS)

1. A.H. Beckett & J.B. Senlac's, Practical Pharmaceutical Chemistry Vole I &II, Stallone Press of University of London
2. A.I. Vogel, Text Book of Quantitative Inorganic analysis
3. P. Gundy Rae, Inorganic Pharmaceutical Chemistry
4. Bentley and Driver's Textbook of Pharmaceutical Chemistry
5. John H. Kennedy, Analytical chemistry principles
6. Indian Pharmacopoei

