

**BP108P. PHARMACEUTICAL ANALYSIS (Practical)**

**Practicals Syllabus:**

**4 Hours / Week**

**I Limit Test of the following**

- (1) Chloride
- (2) Sulphate
- (3) Iron
- (4) Arsenic

**II Preparation and standardization of**

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

**III 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 gluconate by complexometry
- (5) Hydrogen peroxide by Permanganometry
- (6) Sodium benzoate by non-aqueous titration
- (7) Sodium Chloride by precipitation titration

**IV 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

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2.	Limit test of Sulphate	
3.	Limit test of Iron	
4.	Limit test of Arsenic	
<b>Preparation and standardization of the following:</b>		
5.	To prepare and standardize the sodium hydroxide.	
6.	To prepare and standardize the Sulphuric acid.	
7.	To prepare and standardize the Sodium thiosulphate.	
8.	To prepare and standardize the Potassium permanganate.	
9.	To prepare and standardize the Ceric ammonium sulphate.	
<b>Assay of the following compounds along with Standardization of Titrant</b>		
10.	To perform the assay of the Ammonium chloride by acid base titration.	
11.	To perform the assay of the Ferrous sulphate by Cerimetry.	
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16.	To perform the assay of the Sodium Chloride by precipitation titration	
<b>Determination of Normality by electro-analytical methods</b>		
17.	To perform the Conductometric titration of strong acid against strong base.	
18.	To perform the Conductometric titration of strong acid and weak acid against strong base.	
19.	To perform the Potentiometric titration of strong acid against strong base.	