



Branch Name:	Bachelor of Pharmacy
Program Code:	PH101
Course Name:	Pharmaceutical Inorganic and Analytical Chemistry (Practical)
Course Code:	1BP111P

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)		
Lecture	Tutorial	Practical	Credit	Theory (T)		Total Marks
				Continuous Assessment	University Assessment	
						Theory
NA	-	3	1	20	30	50

1. Gain practical knowledge on various volumetric titration techniques.
2. Learn the principles of volumetric analysis.
3. Study the preparation and assessment of inorganic compounds.
4. Determine the assay of various inorganic compounds in pharmaceutical use.
5. Develop analytical skill for the qualitative and quantitative analysis of various inorganic compounds.

CO No.	Upon successful completion of this course, the students will be able to:
1	Perform limit tests to detect and identify impurities in pharmaceutical substances.
2	Prepare various pharmaceutical inorganic compounds following standard procedures.
3	Analyze the significance of quality control in pharmaceutical products and raw materials.
4	Demonstrate proficiency in titrimetric analysis using different volumetric techniques.
5	Competence in applying analytical skills to qualitative and quantitative data.

List of Practical	
1.	Limit tests (Any 4 Experiments) - Limit test and modified limit test for Chloride as per Indian Pharmacopoeia - Limit test and modified limit test for sulphate as per Indian Pharmacopoeia - Limit test for Iron - Limit test for Lead - Limit test for arsenic
2.	Preparation of inorganic pharmaceuticals (Any 3 Experiments) - Preparation of Aluminium hydroxide - Preparation of potash alum - Preparation of ferrous sulphate - Preparation of Magnesium sulphate from magnesium hydroxide or magnesium



List of Open Source Software/learning website: Nil