

Subject Code:2SC1030403	Subject Title: Chemistry Practical
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Teaching scheme (hours) per week		Credit		Theory Marks		Practical Marks		Total
Theory	Practical	Theory	Practical	University Assessment	Cont. Assessment	University Assessment	Cont. Assessment	
-	6	-	3	-	-	60	40	100

List of Experiments:

Note: This syllabus is to be completed by assigning two laboratory Sessions per week, each of two hours. Total laboratory work is 60 hrs/semester (4 hrs/week) or 15 weeks. The number of students in the laboratory batch should not exceed fifteen (15). The medium of instruction should be English in laboratory course.

Sr.No	Practical Exercise
1.	Inorganic Chemistry (4 hours per practical) Inorganic qualitative analysis: (Any 7 Mixture out of 10) Mixture Containing 4 Radicals (Except PO_4^{3-} , BO_3^{3-} , ASO_4^{3-} , ASO_3^{3-} , O^{2-})
2.	Analytical Chemistry (4 hours per practical) A. Volumetric Analysis of Cu, Zn, Ni (AnyThree) 1. To determine the amount of Zn by EDTA Method. 2. To determine the amount of Ni by EDTA Method. 3. To determine the amount of Cu by Iodometry Method. 4. To determine the amount of Cu by EDTA titration. B. Estimation of Glucose/Aniline/Phenol (AnyTwo) 1. To determine the amount of Aniline by Brominating Method. 2. To determine the amount of Phenol by Brominating Method. 3. To determine the amount of Glucose by oxidation Method. C. Paper Chromatography 1st & 3rd Group Radicals

Scheme of Practical Examination

Exam: - 5Hrs

University exam pattern:- two days per batch

Marks:- 100

Ex.	Framework for Practical Examination	Marks
Ex.-1	Inorganic Qualitative Analysis of Binary mixture (Any One) Mixture Containing 4 Radicals (Except PO_4^{3-} , BO_3^{3-} , ASO_4^{3-} , ASO_3^{3-} , O^{2-})	30
Ex.-2	(Any One) A. Volumetric Analysis of Cu, Zn, Ni (Any Three) 1. To determine the amount of Zn by EDTA Method. 2. To determine the amount of Ni by EDTA Method. 3. To determine the amount of Cu by Iodometry Method. 4. To determine the amount of Cu by EDTA titration. B. Estimation of Glucose/Aniline/Phenol (Any Two) 1. To determine the amount of Aniline by Brominating Method. 2. To determine the amount of Phenol by Brominating Method. 3. To determine the amount of Glucose by oxidation Method. C. Paper Chromatography 1st & 3rd Group Radicals	30
Ex.-3	Viva – voce	20
Ex.-4	Journals, Assignment and Routine Performance	20
	Total marks	100