I YEAR - MAIN PRACTICAL - I
TITRIMETRY

Semester	Subject Code	Category	Lecture hours		Theory hours		Practical hours		Credits
			Per week	Per sem.	Per week	Per sem.	Per week	Per sem.	
II	21CCH21	Practical-I	-	-	-	-	3	45	3

Acidimetry

1. Estimation of borax using standard sodium carbonate
2. Estimation of sodium carbonate using standard sodium carbonate
3. Estimation of oxalic acid using standard oxalic acid

Iodimetry

4. Estimation of arsenious oxide using standard arsenious oxide (Demonstration only)

Iodometry

5. Estimation of Copper using standard copper sulphate.
6. Estimation of Potassium dichromate using standard Potassium dichromate.

Complexometry

7. Estimation of Magnesium using standard Magnesium sulphate solution.
8. Estimation Zinc using standard Zinc sulphate solution.

Permanganometry

9. Estimation of Ferrous ammonium sulphate using standard Ferrous ammonium sulphate
10. Estimation of Oxalic acid using standard Oxalic acid

Students must write short procedure for the given estimation in ten minutes during the examinations and submit the paper for evaluation.

TEACHING METHODOLOGY:

- Chalk and Board
- Demonstration
- Conducting Experiments
- Conducting Viva

SYLLABUS DESIGNER:

- Dr.M. Nagarathinam, Head & Associate Professor of Chemistry
- Dr. S. Sasikala, Assistant Professor of Chemistry

SCHEME OF VALUATION FOR PRACTICAL EXAMINATIONS
PRACTICAL – I

Volumetric analysis

Internal assessment: 40 Marks
External assessment: 60 marks
Total: 100 marks

Record: 10 Marks
Procedure: 10 Marks
Viva: 5 Marks

Error upto	2 %	:35
	2.1 – 3 %	:30
	3.1 – 4 %	:25
	4.1 – 5 %	:20
	> 5 %	: 15

For incomplete or wrong calculation deduct 20 % of total marks scored.
For no calculation deduct 40 % of total marks scored.
For each arithmetic error deduct 1 mark.