

GRAVIMETRIC ESTIMATION

Semester	Subject Code	Category	Lecture Hours		Theory hours		Practical hours		Credits
			Per week	Per sem.	Per week	Per sem.	Per week	Per sem.	
VI	21CCH61	Practical-III	-	-	-	-	3	45	3

1. Estimation of sulphate as barium sulphate.
2. Estimation of barium as barium sulphate.
3. Estimation of barium as barium chromate.
4. Estimation of lead as lead chromate.
5. Estimation of calcium as calcium oxalate monohydrate.

Students must write short procedure in ten minutes for evaluation

TEACHING METHODOLOGY

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

SCHEME OF VALUATION FOR PRACTICAL EXAMINATIONS

PRACTICAL - III

GRAVIMETRIC 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 % : 20

4.1 – 5 % : 15

>5% : 10

- a. Among the duplicate results, the value more favorable to the candidate must be taken.
- b. When no duplicate result is given deduct 3 marks.
- c. If the two results differ by more than 2% deduct 2 marks.
- d. For each independent arithmetical error deduct 1 mark.
- e. For incomplete or wrong calculation deduct 20%
- f. For no calculation deduct 40%
- g. If the experiment is not completed due to an accident, award 5 marks.