

**ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS) VISAKHAPATNAM**  
**II SEMESTER CHEMISTRY TIME: 2Hrs/Week**  
**CH-Ma1-2251(2) GENERAL AND INORGANIC CHEMISTRY Marks: 50**  
**w.e.f. 2023-24 admitted batch (23AK) PRACTICAL SYLLABUS**

**Qualitative Analysis of Simple Salt**

**Course Objective:** To train students in the systematic semi-micro analysis of simple salts containing one anion and one cation.

**Course Outcomes:** At the end of the course, the student will be able to;

- Understand the basic concepts of qualitative analysis of inorganic simple salt.
- Use glassware, equipment and chemicals and follow experimental procedures in the laboratory
- Apply the concepts of common ion effect, solubility product and concepts related to qualitative analysis

**Syllabus:** Qualitative inorganic analysis (Minimum of Six simple salts should be analysed)

Analysis of simple salt containing ONE anion and ONE cation from the following:

Anions: Carbonate, Sulphate, Chloride, Bromide, Acetate, Nitrate, Borate, Phosphate.

Cations: Lead, Copper, Iron, Aluminium, Zinc, Nickel, Manganese, Calcium, Strontium, Barium, Magnesium and Ammonium.

**Co-curricular activities and Assessment Methods**

1. Continuous Evaluation: Monitoring the progress of student's learning.
2. Class Tests, Worksheets and Quizzes
3. Presentations, Projects and Assignments and Group Discussions: Enhance critical thinking skills and personality

SEMESTER -End Examination: critical indicator of student's learning and teaching methods adopted by teachers throughout the SEMESTER

**Reference books:**

1. Vogel's Qualitative Inorganic Analysis, Seventh edition, Pearson.