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**

**Practical- I Qualitative Analysis of SIMPLE SALT**

Qualitative inorganic analysis (Minimum of Six simple salts should be analysed) 50 M

1. **COURSE OUTCOMES:**

At the end of the course, the student will be able to;

1. Understand the basic concepts of qualitative analysis of inorganic simple salt.
2. Use glassware, equipment and chemicals and follow experimental procedures in the laboratory
3. Apply the concepts of common ion effect, solubility product and concepts related to qualitative analysis
4. **Laboratory course syllabus: Analysis of SIMPLE SALT 50 M**

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, Work sheets and Quizzes
3. Presentations, Projects and Assignments and Group Discussions: Enhances 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.