

ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS) VISAKHAPATNAM

II SEMESTER

CHEMISTRY

TIME: 2Hrs/Week

CH-Ma2-2251(2)

INORGANIC CHEMISTRY-I

Marks: 50

W.e.f. 2023-24 admitted batch (23AK) PRACTICAL SYLLABUS

Course Objective: To train students in the systematic preparation of selected simple and double salts.

Course Outcomes:

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

- Understand the basic concepts of inorganic preparations.
- Use glassware, equipment and chemicals and follow experimental procedures in the laboratory
- Apply the properties of various elements for the preparation of inorganic compounds.

SYLLABUS:

PREPARATION OF INORGANIC COMPOUNDS:

1. Crystallization of compounds and determination of melting point.
2. Preparation of Cuprous chloride
3. Preparation of Potash Alum.
4. Preparation of Chrome Alum.
5. Preparation of Ferrous oxalate
6. Preparation of Ferrous ammonium sulphate

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: Enhances critical thinking skills and personality
4. SEMESTER-End Examination: critical indicator of student's learning and teaching methods adopted by teachers throughout the semester

Reference books:

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