



**PARVATHANENI BRAHMAYYA  
SIDDHARTHA COLLEGE OF ARTS & SCIENCE**

*Autonomous*

Siddhartha Nagar, Vijayawada-520010

*Re-accredited at 'A+' by the NAAC*

**23CHMAP122: INORGANIC CHEMISTRY-1**

**Offered to:** B.Sc Honours (Chemistry)

**Course Type:** Major 4 (Core -Practical)

**Year of Introduction:** 2023-24

**Year of offering:** 2023 - 2024

**Semester:** II

30 Hrs

**Credits:** 1

**I. Course outcomes:**

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

Course Outcome NO	Outcome	Mapping to
CO1	Remember the basic concepts of inorganic preparations.	PO6
CO2	Understand use of glassware, equipment and chemicals and follow experimental procedures in the laboratory	PO6
CO3	Apply the properties of various elements for the preparation of inorganic compounds	PO7
CO4	Analyzing properties of inorganic compound preparation	PO6
CO5	Create new Inorganic preparations	PO7

CO-PO MATRIX								
	CO-PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
23CHMAP122	CO1						M	
	CO2						M	
	CO3							H
	CO4						L	
	CO5							M

### 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.

#### TEXT BOOK:

1. Preparation of Inorganic compounds by Vogel's

#### Reference books:

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

### QUESTION PAPER PATTERN FOR CORE LAB COURSES

(A) SEE (LAB) Model Question Paper

23CHMAP122:

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Max.Marks: 35

Max.Time: 3Hours

Pass. Min: 14

I. Answer the following.

Max. Marks: 30

#### PREPARATION METHODS

II Viva

3 Marks

III Record

2 Marks

(B) CONTINUOUS ASSESMENT:

15 MARKS

TOTAL : (A)+(B) =

50MARKS

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