

CO-PO Mapping:

(1: Slight [Low]; 2: Moderate [Medium]; 3: Substantial [High], '-': No Correlation)

	PO 1	PO 2	PO3	PO 4	PO 5	PO6	PO 7	PO8	PO 9	PO1 0	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	2	2	3	3	2	2	3	3	3
CO2	2	3	3	3	3	2	1	2	2	3	2	2	3
CO3	3	3	3	2	2	1	1	2	3	1	2	3	3
CO4	2	1	2	1	3	2	3	1	2	3	2	3	2
Avg.	2.5	2.25	2.75	2.0	2.5	1.75	2.0	2.0	2.25	2.25	2.25	2.75	2.75

GOVERNMENT COLLEGE (A), RAJAMAHENDRAVARAM
I B.Sc. ANALYTICAL CHEMISTRY
SEMESTER – II
QUESTION PAPER BLUE PRINT
Course -3: INORGANIC CHEMISTRY

TIME: 2¹/₂ hrs.

MARKS: 50 M

PART -A

Answer ALL the Questions

5 x 7 = 35 M

1. 2 Questions from UNIT- I
2. 2 Questions from UNIT- II
3. 2 Questions from UNIT-III
4. 2 Questions from UNIT IV
5. 2 Questions from UNIT-V

PART – B

Answer any FIVE Questions

5 x 3 = 15 M

1. 2 Question from UNIT- I
2. 2 Questions from UNIT- II
3. 2 Question from UNIT- III
4. 1 Questions from UNIT- IV
5. 1 Questions from UNIT- V

GOVERNMENT COLLEGE (A), RAJAHMUNDRY
I B.Sc. ANALYTICAL CHEMISTRY
SEMESTER-II
MODEL PAPER (From 2023-234)
Course - 3: GENERAL AND INORGANIC CHEMISTRY

Time: 2¹/₂ hrs.

Maximum Marks: 50

PART- A

Answer ALL the questions. Each carries SEVEN marks

5 x 7 = 35 M

1. What are silicones? Write the classification, preparation and applications of Silicones.

(OR)

2. Explain the preparation and structure of Borazole.
3. Explain the classification of oxides based on oxygen content.
- (OR)
4. Explain the preparation and structures of AX₅ and AX₇ type Inter halogen compounds.
5. Explain the following characteristic properties of d-block elements.
- i. Ability to exhibit variable oxidation states
 - ii. Ability to form complex compounds.

(OR)

6. Write short notes on the following.
- i. Catalytic properties
 - ii. Magnetic properties.
7. What is Lanthanide contraction? Explain the consequences of Lanthanide contraction .

(OR)

8. Explain the separation of Lanthanides by ion exchange method.
9. Write the preparation and synthetic applications of Grignard reagents.

(OR)

10. Explain the preparation and synthetic applications of R-Li.