

First Semester Internal Examination, September 2026
Major Course in Chemistry
INORGANIC CHEMISTRY-I
CHE1CJ101

Time: 1 Hr

Max Marks: 35

Name:	Marks Scored	Section A		Total Marks
Class:		Section B		
		Section C		

Section A

(Each question carries 3 marks, Max marks for section – 7)

1. Distinguish between molarity and molality.
2. Explain the difference between accuracy and precision in analytical data, providing an example for each.
3. Define relative standard deviation and coefficient of variation.

Section B

(Each question carries 6 marks, Max marks for section – 18)

4. Explain different types of errors.
5. Describe Q test as a method for the rejection of a doubtful result in analytical data
6. Define nanomaterials. How are they classified on the basis of dimension?. Explain with examples.
7. Discuss the factors affecting formation of an ionic bond. Give two characteristics of ionic compounds.

Section C

(Answer any one question, Each question carries 10 marks)

8. A) Describe any two scales of measuring electronegativity. B) Give the characteristics of ionic compounds?
9. Which are the periodic properties? What are the factors affecting them in general? Give their trends across a period and a group?