Roll No.		Total No. of Pages: 02
Total No. of Questions: 11		
	M.Sc. (Chemistry)	(Sem. – 2)
INORGANIC CHEMISTRY-II		
M Code: 75981		

M. Code: 75981

Date of Examination: 12-12-2022

Subject Code: CHL-411-18

Time: 3 Hrs. Max. Marks: 70

INSTRUCTIONS TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains EIGHT questions carrying FIVE marks each and students have to attempt any SIX questions.
- 3. SECTION-C is COMPULSORY consisting of TWO questions with internal choice carrying TEN marks each.

4.

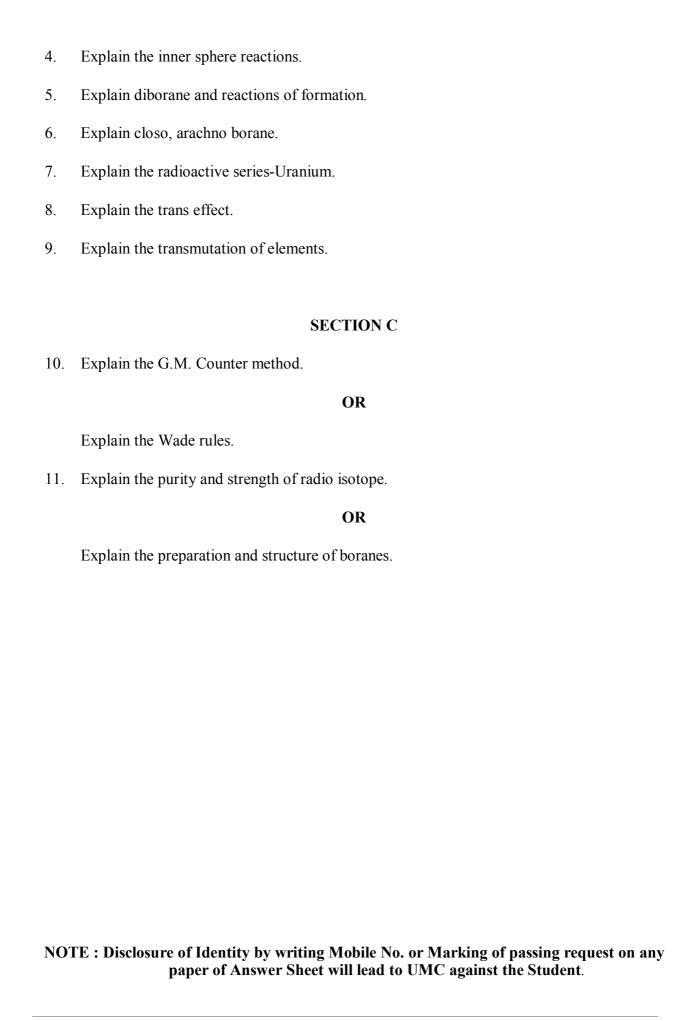
SECTION A

- 1. Write briefly:
 - a) What are borazines?
 - b) Explain Zintle ions.
 - c) What is capping rule?
 - d) What is the Grignard reagent?
 - e) What is catenation?
 - f) What is nuclear binding energy?
 - g) Explain non radioactive isotopes.
 - h) What is Q value?
 - i) What are isopolyanions?
 - j) What are metallocene carboranes?

SECTION B

- 2. Explain the isolobal relationship.
- 3. Explain exceptions of 18 electron rule.

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