Roll No.

Total No. of Pages: 02

Total No. of Questions: 20

M.Sc. (Chemistry) (2018 & Onwards) (Sem.-1) INORGANIC CHEMISTRY-I

Subject Code : CHL-401-18

M.Code: 75113

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 will comprise of TWO compulsory questions with INTERNAL CHOICE in both these questions. Each question carries TEN marks.

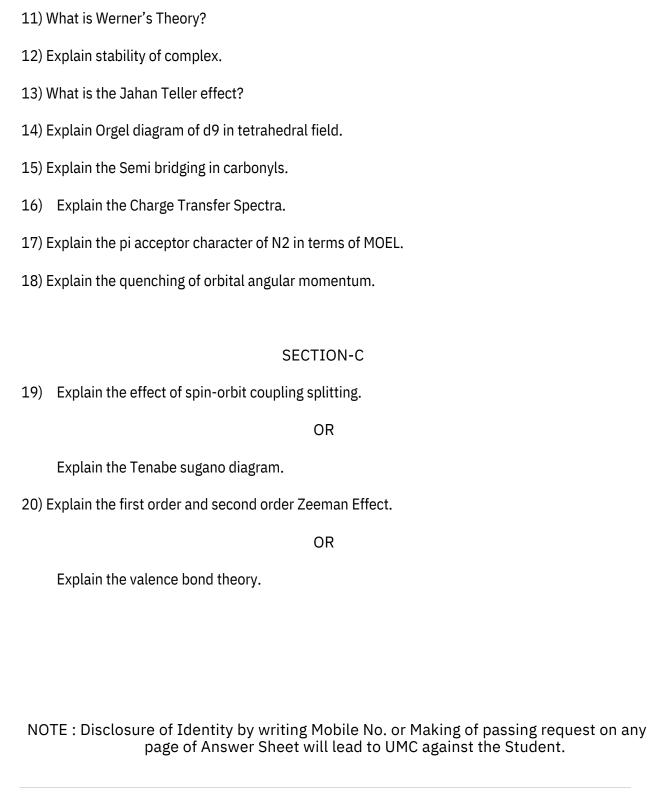
SECTION-A

Answer briefly:

- 1) What are Coordination Complexes?
- 2) Explain Crystal field splitting energy.
- 3) What are High Spin Complexes?
- 4) What is the Symbiosis?
- 5) What are Pi Acceptors?
- 6) What are selection rules for d-d transitions?
- 7) Explain tetrahedral crystal field.
- 8) What is the term Symbol?
- 9) What is Paramagnetism?
- 10) What is Stereochemistry?

1 | M-75113 (S33)-663

SECTION-B



2 | M-75113 (S33)-663