

A-813

M.Sc. II Semester ATKT Examination 2020

Subject : Chemistry

Paper : I – Inorganic Chemistry

Max.Marks : 15

**Note:** Attempt any three questions.

1. Discuss Orgel diagrams for metal ions in their octahedral transition metal complexes.
2. Explain orbital contribution to magnetic moment.
3. What are carbonyls? Explain the nature of bonding in metal carbonyls.
4. Discuss preparation, properties and structure of higher boranes.
5. Explain optical rotatory dispersion and circular dichroism.

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