

2021
B.A./B.Sc.
Third Semester
CORE – 5
CHEMISTRY
Course Code: CHC 3.11
(Inorganic Chemistry - II)

PART-B
Total Mark: 30

Answer the following questions.

6×5=30

- | | |
|--|--------|
| 1. (a) What is hydrometallurgy? | 2 |
| (b) Describe any one method of purification of metals. | 4 |
| 2. (a) Define Lewis acids and bases giving two example each. | 1½×2=3 |
| (b) Explain leveling and differentiating solvent with suitable examples. | 3 |
| 3. (a) Discuss the complex formation tendency of s-block elements. | 4 |
| (b) What is allotropy? Give example. | 2 |
| 4. (a) Discuss why diborane is an electron deficient compound. | 3 |
| (b) Explain with examples how pseudohalogens differ from interhalogen compounds. | 3 |
| 5. (a) Discuss the MO treatment of XeF ₂ molecule. | 3 |
| (b) Give the synthesis and applications of siloxanes. | 3 |
-