

**B.Sc. DEGREE EXAMINATION, ODD SEMESTER 2020**  
**III Year V Semester**  
**Inorganic Chemistry - I**

**Max.marks :25**

Answer any **FIVE** questions ( $5 \times 5 = 25$ ) Marks

1. Explain the term packing fraction.
2. Explain the terms half life period and disintegration constant of a radioactive substance.
3. Explain the Soxhlet extraction technique.
4. Discuss various types of electronic transitions.
5. How are nanoparticles synthesized by sol-gel method?
6. Write a note on Rayleigh and Raman scattering.
7. Discuss the role played by N/P ratio on the stability of a nucleus.