**Sardar Bhagwan Singh University Balawala, Dehradun (Uttarakhand)**

**Bsc Chemistry Honours Second Year (Fourth Semester)**

**Subject: Inorganic Chemistry: Paper Code (CHEM 241)**

**Even Semester Assignment-VII (2020)**

**Time: Hours Max Marks:**

**Note: Attempt all questions all questions carry equal marks 02**

1. **What are d-block elements?**
2. **Why d-block elements are called transition elements?**
3. **Write and explain why the different configuration of Cr then other members of the series?**
4. **Write and explain why the different configuration of Cu then other members of the series?**
5. **Explain para and diamagnetic properties of transition element.**
6. **What are ferromagnetic properties?**
7. **Name the elements with ferromagnetic properties.**
8. **Write a short note on the cause of magnetic behavior in transition elements.**
9. **Calculate and write the number of unpaired electrons in Fe2+ and Fe3+.**
10. **Cu1+ is diamagnetic and Cu2+ is paramagnetic explain.**

**(Dr. Neetu Pandey)**

**(Dept. of Applied chemistry)**