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

**Msc Pharmaceutical Chemistry/Chemistry First Year (Second Semester)**

**Subject: Inorganic Chemistry: Paper Code (CHEM 521)**

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

**Time: Hours Max Marks:**

**Note: Attempt all questions**

1. What is meant by electronic transition?
2. Name the different types of electronic transition.
3. What do you understand by sigma to sigma star transition?
4. What do you understand by nonbonding to sigma star transition?
5. What do you understand by nonbonding to pi star transition?
6. What do you understand by pi to pi star transition?
7. What do you understand by sigma to pi star transition?
8. Out of all the transitions which transition requires more energy and why?
9. What are bonding and nonbonding orbitals?
10. Out of all the transitions which transition requires the least energy and why?

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