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

**Bsc CBZ/PCM third Year (Sixth Semester)**

**Subject: Inorganic Chemistry**

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

**Time: Hours Max Marks:**

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

1. What are metal carbonyls?
2. What is its oxidation state and bond order?

1. How metal carbonyls classified?

1. Write any three preparations of metal carbonyls.
2. Write any three properties of metal carbonyls.
3. Write any three uses of metal carbonyls.
4. What is the difference between metal carbonyls and carbon mono oxide?

1. Calculate the EAN of Ni(CO)4.

1. Calculate the EAN of Mn2(CO)10.
2. Apply 18 electron rule on Fe2(CO)9.

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