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

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

**Subject: Organic Chemistry: Paper Code (CHEM 243)**

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

**Time: Hours Max Marks:**

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

1. **What are organic nitro compounds?**
2. **What is the difference between nitro and nitrite groups?**
3. **Write the formula for 2-nitro butane and nitro ethane.**
4. **How will you prepare nitro alkanes from oxidation of amines?**
5. **How will you prepare nitro alkanes from oxidation of oximes?**
6. **How will you prepare nitro alkanes by the action of nitrous acid on halogen acid?**
7. **Write a note on physical properties of nitro alkanes.**
8. **Write a note on acidic nature of nitroalkanes.**
9. **Write different products obtained when nitro alkanes on reduction under different conditions such as acidic, catalytic, neutral and SnCl2 & HCl.**
10. **Write the reactions of hydrolysis by nitro alkanes.**

**(Dr. Neetu Pandey)**

**(Dept. of Applied Chemistry)**