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

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

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

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

**Time: Hours Max Marks:**

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

1. **What is Gabriel phthalimide synthesis?**
2. **What is Carbylamine reaction?**
3. **Explain Mannich reaction?**
4. **What is Hoffmann’s exhaustive methylation?**
5. **Explain Hoffmann-elimination reaction?**
6. **How primary, secondary and tertiary amines are identified through Hinsberg reagent?**
7. **How primary, secondary and tertiary amines are identified through nitrous acid?**
8. **How amines are classified as primary, secondary and tertiary amines?**
9. **Explain in short about the structure of amines.**
10. **Explain in short about the aromatic amines.**

**(Dr. Neetu Pandey)**

**(Dept. of Applied Chemistry)**