

**Gurudas College**  
**CHEMISTRY (General)**  
**Practical Examination**  
**Semester-IV**  
**Paper-CC4/GE4**  
**2021**

**Full Marks-30**

**Time- 1 h 30 min**

Answer **any six** questions

5×6=30

1. Write down Red-dye test for the detection of aromatic-NH<sub>2</sub> group in an organic compound.
2. What is the Tollens' reagent? How it is prepared.
3. Which group is detected by using NaHCO<sub>3</sub>? Write the equation.
4. Name the functional group that is detected by using the DNP test. Describe the test with necessary reaction.
5. Describe Lassaigne's method for the detection of nitrogen in an organic compound.
6. How can you detect the presence of phenolic-OH group in an organic compound?
7. How would you detect the presence of aromatic-NO<sub>2</sub> group by Mullikan Barker test?  
Explain the procedure with the reagent used in the reaction.
8. Name the functional group that is detected using the 'back-dye' test. Discuss the test with necessary observation.