

Gurudas College
Practical Examination, 2020
Chemistry (General)
BSc. Semester-III
Subject-CEMG
Paper- CC3/GE3

Time–2 hr.

Full Marks-30

Answer any **TEN** questions

(3x10)

1. How will you detect K^+ -salt by flame test? Why is Conc. HCl used in flame test?
2. What is borax bead test?
3. What are acid and basic radicals? Give an example of each.
4. What is the fusion mixture? Write a basic radical which can be detected by fusion test.
5. Write the confirmatory test of PO_4^{3-} ion.
6. What is brown ring test? Which radical is detected by brown ring test?
7. What is the structure of Ni (DMG) complex? What is its colour?
8. What is Chromyl chloride test and which acid radical can be detected by this test?
9. Write the confirmatory test of SO_4^{2-} ion.
10. How will you detect Ca^{2+} & Sr^{2+} basic radicals by flame test?
11. Write the test for Fe^{3+} . What is the formula of Prussian blue complex?
12. How will you detect free boric acid & borate (BO_3^{3-}) in a given sample?
13. Write the test for NH_4^+ ion.
14. Write the name & formula of three interfering acid radicals.