

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Pharm Degree Examination – Mar 2013

**Time: Three Hours****Max. Marks: 70 Marks**

### PHARMACEUTICAL INORGANIC CHEMISTRY (Revised Scheme 3)

**Q.P. CODE: 2605**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Answer any Two)****2 x 10 = 20 Marks**

1. Give the principle, procedure, reactions and role of reagents involved in limit test for (A) Iron (B) Lead based on I P 1996 method
2. What are topical agents? Classify with suitable examples. Give the principle and method of assay of any two compounds
3. Give a method of preparation and assay principle involved in (A) Ferrous sulphate (B) Calcium gluconate

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. What are primary, secondary standard substances? Give example. Give the standardization of 0.1 N perchloric acid
5. How do you carry out the limit test for chlorides in the given sample of sodium bicarbonate and sodium benzoate
6. Write a note on iron and ammonium citrate
7. What are GIT agents? Classify them with examples. Write a note on acidifiers
8. What are antidotes? Classify them with examples. Explain the role of sodium thio sulphate and sodium nitrite in cyanide poisoning
9. Give a method of preparation, assay principle, medicinal use of magnesium sulphate with its chemical formula and synonym if any
10. Give the preparation, storage, uses and labeling condition for carbon dioxide
11. What are redox titrations? Classify them with examples. Define reducing agents and oxidizing agents with examples

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. Define acidimetric and alkali metric titrations
13. What are astringents? Give example
14. Significant figures
15. Desensitizing agents
16. Role of acetic acid and ammonia in the limit test for heavy metals
17. Define emetics with examples
18. Give the chemical formulae and medicinal use of sodium metabisulphite
19. Why sulphuric acid is added in the assay of Hydrogen peroxide
20. Role of chloroform in the assay of potassium iodide
21. Name any four indicators used in complex metric titrations