

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – Sep 2012

Time: Three Hours**Max. Marks: 80 Marks**

PHARMACEUTICAL INORGANIC CHEMISTRY (Revised Scheme - 2)

Q.P. CODE: 1955

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. Write a note on theory and solvents used in non aqueous titration? Explain the assay of sodium benzoate
2. What are topical agents? Classify them with examples. Give the assay principle of potassium permanganate and boric acid
3. What are limit tests? Write a detailed account on arsenic limit test

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. What are primary and secondary standard substances? Define Normality and Molarity
5. Write a note on different types of complexo metric titration
6. Write a note on anti dote. Give the assay principle of sodium thio sulphate
7. What are antacids? Classify them with examples? Give the assay principle of sodium bicarbonate
8. Explain with example Mohr's method and modified Volhard's method
9. How do you prepare and standardize 0.2 M sodium hydroxide of 250 ml volume
10. Write the principle, procedure involved in the limit test for chlorides in potassium permanganate
11. Give the chemical formulae and medicinal uses of (A) Alum (B) Boric acid (C) Bleaching powder (D) Sodium acetate (E) Calcium carbonate
12. Give the preparation, synonym, uses and storage condition of aqueous iodine solution
13. Write a note on dental products

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

14. What are sclerosing agents? Give examples
15. Why there is a small aperture in the glass tube of arsenic test apparatus
16. Radio opaque contrast media
17. Give the chemical reaction and role of various reagents used in iron limit test
18. Stability and storage condition of potassium permanganate
19. Assay of Nitrous oxide
20. Significant figures
21. Define chelating agents and equivalent weight
22. What are sedatives? Give examples
23. Name any four indicators used in complexo metric titration