

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – Aug / Sep 2011

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. Discuss the different sources of errors in quantitative analysis. What are the different methods used to minimize the errors?
2. Classify volumetric methods of analysis with examples. How do you prepare standardize and store 0.1 N pot permanganate solution
3. List out the solvents used in non-aqueous titration write their properties. How do you estimate sod-Benzoate solution by non-aqueous titration method

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. What are the different methods available to detect END POINT in precipitation titration? Give examples
5. Explain different theories of Acid-Base indicators
6. What is Bromometry? Explain with a suitable example
7. Name the titrant used in cerimetry. How do you estimate ferrous sulphate by cerimetry?
8. What are Haematinics? Give examples. Write the preparation of any two Haematinics
9. Write the assay method for Boric acid
10. Write the preparation, storage condition and use of calcium gluconate injection
11. How do you perform limit test for iron in pharmaceuticals?

SHORT ANSWERS

10 x 2 = 20 Marks

12. Name the electrolytes used for the replacement therapy
13. Write the molecular formula and uses of HYPO and bleaching powder
14. What is acidifier? Give example
15. Why citric acid is used in iron limit test?
16. What is the modification made in limit test for potassium permanganate?
17. Complete and balance the reactions
$$\text{Na}_2\text{S}_2\text{O}_3 + \text{I}_2 \longrightarrow$$
$$\text{H}_2\text{O}_2 + \text{KMnO}_4 \longrightarrow$$
18. Name any four antacids
19. Name the indicators used in complexometry
20. Write the chemical reactions in sulphate limit test
21. What is pharmaceutical aids? Give examples
