Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharma-D Examination - Jan 2014

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

PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. CODE: 2855

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 the principle and procedure for the limit test for (a) Iron (b) Chlorides
2. What are ligands? Classify them with examples. Discuss different types of EDTA titrations in details
3. Explain various methods of detecting end point in precipitation titrations with examples

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

4. List the natural buffers present in physiological system. How do they maintain acid base balance
5. Explain the conditions for iodometric titrations
6. What are protective and adsorbents? Give their pharmaceutical importance with examples
7. What are systemic alkalisers and acidifiers? How do they act? Give suitable examples
8. Write the preparation, uses and assay of boric acid
9. Write the principle of non aqueous titration ? Give the assay principle of sodium Benzoate
10. Write the prepration and assay principles involved in aluminium hydrpxide gel
11. What are determinate and inderminate errors? Give examples

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

12. What are expectorents? Write the principle involved in the assay of ammonium chloride.
13. Assay of zinc oxide
14. Give the important uses of oxygen as medicinal agent
15. Write the principle in the assay of chlorinated lime
16. Write the storage condition of iodine
17. Define mixed indicator and universal indicator
18. What is the difference between antiseptic and disinfectant
19. Mention pharmaceutical use of Zinc – Eugenol cement
20. What are cathartics? Give examples
21. Define the following terms (a) Limit test (b) Assay

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