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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Pharm Degree Examination – August 2010

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. What are GIT agents? Classify them with examples. Add a note on antacid combination therapy and the assay of sodium bicarbonate
2. Enlist major physiological ions with their role. Explain the preparation and assay of sodium chloride injection
3. Explain the theory of redox titrations. Add a note on iodometry and iodimetry

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

4. What are organic precipitants? Enlist their advantages with examples
5. Write the principle and reactions involved in the limit test for sulfates
6. What are radioisotopes? Write the applications of Sodium iodide, gold injection and barium meal
7. Explain the method of preparation and assay for Ferrous sulphate
8. What are antidotes? Classify with examples
9. Explain various methods of minimizing errors
10. Explain the principle and reactions involved in the limit test for arsenic
11. Explain the principle and reactions involved in the assay of sodium benzoate
12. Explain different types of complexometric titrations with examples
13. Write a note on pharmaceutical aids

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

14. Why citric acid is used in limit test for iron?
15. What are adsorption indicators? Give examples
16. Give the method of preparation of milk of magnesia
17. What are expectorants? Give examples
18. Write the molecular formula and uses of magnesium trisilicate and boric acid
19. Define sclerosing agenets with example
20. Define emetics with examples
21. Name two medicinal gases with their uses
22. What are anticaries agents? Give examples
23. Write the reactions involved in standardization of 0.1N sodium hydroxide solution

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