

**Rajiv Gandhi University of Health Sciences, Karnataka**

First Year Pharma-D Examination – March - 2010

**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 involved in Assay of copper sulphate and calcium gluconate.
2. Define cathartics. Give examples. Write the preparation and assay for any one of the compound.
3. Draw a neat labeled diagram of arsenic limit test apparatus. Write the procedure and principle involved in the same.

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

4. Write the sources of impurities in the pharmaceutical substances.
5. Define redox titrations and explain with an example.
6. Write the preparation, properties, assay and category for potassium permanganate.
7. Write a brief note on nitrous oxide.
8. Define indicators, give examples. Explain the theory of indicators.
9. Electrolytes combinations therapy.
10. Preparation, properties, storage, labeling, category for Magnesium hydroxide mixture.
11. Brief note on barium sulphate.

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

12. Explain protectives and adsorbents. Give examples.
13. Define Anticaries agents. Give examples.
14. Define expectorant. Give examples.
15. Mention the types of errors.
16. Chlorides limit test principle.
17. Define antidote. Give examples.
18. Explain official monograph.
19. Write the structure and uses of boric acid.
20. Define normality and molarity.
21. Example for Haematinics.

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