Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – June 2014

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

PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. CODE: 2878

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. Define and classify antacids. Give the requirements of ideal antacids. Outline the preparation & assay of Milk of magnesia.

2. What are precipitation titrations? Write in detail the principle, reaction & procedure involved in Mohr's, Volhard's and Fajan's methods.

3. Explain the various steps involved in the gravimetric method of estimation of compounds. Add a note on organic precipitants.

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

4. Write the principle and reactions involved in the limit test of arsenic.

5. Add a note on saline cathartics.

6. Write the pharmaceutical applications of radiopharmaceuticals.

7. Types of complexometric titrations.

8. Write a note on physiological acid-base balance.

9. Write the preparation, assay and uses of Boric acid.

10. Define and classify errors. Describe various methods of minimizing errors.

11. Give the principle, reaction and procedure involved in the assay of Copper sulphate.

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

12. Define accuracy and Precision

13. Write the uses of Barium meal

14. Define expectorants and give examples.

15. Primary standards.

16. Masking agents

17. What is achlorohydria?

18. Combination of antacids.

19. Give the important functions of calcium ion the body.

20. Name any four indicators used in non-aqueous titrations.

21. Antidote.

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