Rajiv Gandhi University of Health Sciences, Karnataka
I Year Pharm-D Examination – NOV 2017

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. Give the principle, reaction, role of reagents and procedure involved in the limit test for
   a) Iron b) Heavy metals (I.P. method).
2. What are antacids? Classify them with examples. Give their ideal properties. Write the method of preparation, assay and uses of milk of magnesia.
3. What are complexometric titrations? Explain the different types of complexometric titrations with examples. How do you estimate Calcium gluconate?

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

4. Write a note on physiological acid-base balance.
5. Give the method of preparation, assay and uses of Boric acid.
6. What are dental products? Discuss the role of fluoride in dental caries.
7. Discuss the different methods to minimize the determinate errors.
8. Define & classify expectorants with examples. Give the method of preparation and assay of ammonium chloride.
9. Write a note on Modified Volhard's method and Fajan's methods for the estimation of halides.
10. Add a note on primary and secondary standard substances.
11. What are Cathartics? Classify them with examples.

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

12. Name two Haematinics.
13. Explain the term Achlorhydria.
14. Define Antidotes.
15. Give two examples for Pharmaceutical aids.
16. Differentiate between Iodimetry and Iodometry.
17. Define a) Normality b) Molarity.
18. Name four non-aqueous solvents.
19. Name two Anti-oxidants.
20. Write on Nernst equation.
21. Define Inhalants and an example.

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