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Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – NOVEMBER 2015

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. Define Limit test? Write the principle and procedure involved in the limit test for Arsenic with a neat labeled diagram.
2. Describe the principle and procedure involved in the Mohr's and Volhard's method for the determination of Chlorides.
3. Describe the principle and reactions in the assay of a) Chlorinated lime b) Hydrogen peroxide.

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

4. Define Redox titrations and explain with an example.
5. Write the preparation storage, labeling and uses of oxygen.
6. What are Antacids? Classify them with an example for each class. Write the method of preparation of aluminium hydroxide gel.
7. Write the method of preparation and standardization of 0.1 N potassium permanganate.
8. Discuss the various types of solvents used in non-aqueous titrations.
9. What are saline cathartics? Give the method of preparation and use of magnesium sulphate.
10. Define and classify errors with examples.
11. Write the principle and reaction involved in the limit test for iron I.P.

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

12. What are Anti-microbials? Give two examples.
13. Define expectorants with examples.
14. Define Primary and Secondary standards. Give examples.
15. Composition of ORS.
16. Define indicators with examples.
17. What is the importance of calcium in human nutrition?
18. Examples for haematinics.
19. Define normality and molarity.
20. Why lead acetate cotton plug is used in the limit test for Arsenic.
21. Name two Pharmaceutical Aids.

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