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Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – Jan 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 with examples and write the principle and procedure involved in the assay of Aluminum hydroxide Gel.
2. Define limit tests? Write the principle and procedure involved in the limit test for Arsenic with neat labeled diagram.
3. Write the principle and procedure involved in the assay of Calcium Gluconate and Sodium chloride.

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

4. Define Antidotes; outline the role of charcoal in poisoning.
5. Define Errors and classify different types of errors.
6. Write the difference between Mohr's and Volhards method for the determination of Halides.
7. What are Antimicrobial agents. Write mechanism of action of antimicrobials.
8. Write the preparation, storage, labeling and uses of Oxygen.
9. Write the principle and reactions involved in limit test for Lead IP.
10. Write a note on Electrolyte combination therapy.
11. What are Dental caries. Explain the role of Fluoride in dental caries.

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

12. Define suspending and emulsifying agents.
13. What are dentifrices, write the good characters of dentifrices.
14. Define Primary and Secondary standards. Give examples.
15. Define Iodometry and Iodimetry.
16. Various solvents used in Non Aqueous titrations.
17. Define Co and Post precipitation.
18. Define radiopharmaceuticals. Give examples.
19. Define Chelating agents. Give example.
20. Write a note on ORS
21. Define Accuracy and Precision.

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