

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Pharm Degree Examination – NOVEMBER 2015

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

### PHARMACEUTICAL INORGANIC CHEMISTRY (Revised Scheme 3)

**Q.P. CODE: 2605**

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. What are Complexometric titrations? Discuss the different types of complexometric titrations with examples. How do you estimate Calcium gluconate?
2. Explain the principle and reactions involved in the assay of Ammonium chloride (formal method) and Chlorinated lime.
3. Define Limit test. Discuss the various sources of Impurities in Pharmaceuticals with suitable examples.

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

4. Define and classify errors with examples.
5. Give the preparation and standardization of 0.1N perchloric acid.
6. Explain the principle and reaction involved in the limit test for Lead (Dithizone test).
7. What are Anti-microbials? Give the method of preparation and assay of Boric acid.
8. Explain the estimation of halides by modified Volhard's method.
9. What are Antacids? Give the preparation, assay principle, procedure and uses of Milk of magnesia.
10. Discuss the physiological acid-base balance in the body.
11. What are primary and secondary standards? What are the properties of primary standards?

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

12. Achlorhydria and Hyperchlorhydria.
13. Labeling, Storage conditions and uses of Oxygen.
14. What is the role of lead acetate cotton wool in Arsenic limit test?
15. Write the formula and uses of white vitreol.
16. Define Accuracy and Precision.
17. How do you prepare 250ml of 0.1N oxalic acid?
18. Define desensitizing agents. Give examples.
19. What are pharmaceutical aids? Give classification.
20. Define Iodometry and Iodimetry.
21. Write the chemical formula and synonym of the following compounds.  
a) Ferrous sulphate b) Copper sulphate c) Magnesium sulphate d) Sodium thiosulphate.

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