

Rajiv Gandhi University of Health Sciences, Karnataka
I Year Pharm-D Degree Examination – May 2016

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. Write the principle and procedure involved in the assay of Boric acid and Calcium Gluconate.
2. Define and classify Cathartics with examples, and write the preparation and assay of Magnesium Sulphate.
3. Name the major physiological ions and write their role in the body. Add a note on Physiological acid base balance.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Define and classify Pharmaceutical Aids, write briefly about preservatives with examples.
5. Write the different solvents used in Non-Aqueous titrations.
6. What are Inhalants, write the preparation, properties, storage and uses of nitrous oxide.
7. Write the role of fluoride and Phosphate in preventing dental caries.
8. What are the various methods of expressing concentration of solutions?
9. Define limit tests? Write the principle and procedure involved in the limit test for Lead.
10. Define Errors. Write the different methods used to minimize errors.
11. What are argentometric titrations? Write the estimation of halides by Mohr's method with its limitations.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What are significant figures give two examples.
13. Define Astringents with examples.
14. Write the chemical composition of Talc.
15. What are desensitizing agents give examples.
16. Role of dilute nitric acid in the limit test for chloride.
17. Mention any four radiopharmaceuticals with their applications.
18. Define Antidotes. Give examples
19. Masking and Demasking agents.
20. Intra and extracellular fluids.
21. Structure of EDTA and uses.
