

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B.Pharm Degree Examination – Dec-2017

Time: Three Hours

Max. Marks: 75 Marks

Pharmaceutical Inorganic Chemistry

Q.P. CODE: 5004

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. Describe the various sources of impurities present in pharmaceutical substances.
2. Explain major buffers used in pharmaceutical preparations. What are the advantages and disadvantages of each?
3. Enlist in detail any one drug with their molecular formula, synonym (if any) method of preparation and use belongs to magnesium, aluminium and sodium containing antacid.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. How do you carry out the limit test for chlorides in the given sample of potassium permanganate?
5. Define acids and basis according to various concepts.
6. Write the preparation and medicinal uses of calcium carbonate and sodium fluoride.
7. Give the method of preparation and uses of Aluminium hydroxide gel.
8. Describe the precautions for storage and handling of radioisotopes.
9. Write a note on physiological acid base balance.
10. Explain the method of preparation and assay of Ammonium chloride.
11. What are Haematinics? Write the preparation and assay of ferrous sulphate.
12. What are antimicrobials? Write a note on various iodine preparations.

SHORT ANSWERS

10 x 2 = 20 Marks

13. What is the role of thioglycollic acid in iron limit test?
14. State the meaning of the term opalescence and turbidity.
15. Ethanolic sulphate standard solution is used in limit test for sulphates. Give reason.
16. Define saline Cathartic. Give examples.
17. "Write the chemical reaction involved in the assay of Chlorinated lime?"
18. Write the molecular formula and medicinal uses of sodium thiosulphate.
19. Write a note on potash alum.
20. What is desensitizing agents? Give examples.
21. Define half life.
22. Define following terms i) Osmotic pressure ii) Isotonic solution.
