

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B.Pharm Degree Examination – 30-Oct-2024

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

All the questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Write the principal, reaction, apparatus, technique used in limit test for arsenic.

OR

What is antacid? And classify them with suitable structural examples. Write the ideal requirements for antacid? And write a note on antacid combination therapy.

2. What are major physiological ions and explain the role of magnesium and calcium as intracellular ions?

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write the principle and reaction involved in the limit test for iron and chloride.

OR

What are antimicrobial agents? Write the preparation and assay of chlorinated lime.

4. Define expectorants and write the preparation, properties and assay for ammonium chloride.

OR

Write a note on dentifrices.

5. Write the applications of radioisotopes in medicine.
6. Add a note on electrolyte combination therapy and ORS.
7. Write the preparation, properties and assay of copper sulphate.
8. Write the mechanism of action of antimicrobial agents of each class with example.
9. Write a note on pharmaceutical buffers.

SHORT ANSWERS

10 x 2 = 20 Marks

10. What is the I.P limit for chloride and sulphate impurities?
11. **Define Acidifying and cathartics with examples**
12. **What is desensitizing agent. Give examples**
13. Define the term poison and antidote.
14. Give the reason for the addition alcohol and barium sulphate in barium sulphate reagent.
15. Define Radio pharmaceuticals and give examples.
16. What is limit test and test for purity?
17. Give the reaction for assay of hydrogen peroxide.
18. What are gastrointestinal agents?
19. What is monograph? Write its component
