

Time: 3 Hours

[Max. Marks: 80]

PHARMACEUTICAL INORGANIC CHEMISTRY (RS2)

QP Code: 1955

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any two)**2 X 10 = 20 Marks**

1. Write the principle reaction apparatus, and procedure involved in the limit test for arsenic.
2. Give the principle of assay and method of preparation for the Aluminium hydroxide gel and copper sulphate.
3. What is precipitation titration? Explain in detail about modified Volhards method of assay.

SHORT ESSAY (Answer any Eight)**8 X 5 = 40 Marks**

4. Write a note on major extra cellular electrolytes.
5. What are protective and absorbents? Write the method of preparation and uses of Kaolin.
6. What is Epsom salt? Write its synthesis and assay principle.
7. Explain the principal and procedure for limit test of iron.
8. Explain Iodometric and iodimetric titrations with example.
9. What are respiratory stimulants? Give the storage and labeling of Carbon-di-oxide gas.
10. Discuss briefly about physiological importance of essential trace elements.
11. Briefly explain antacid combination therapy.
12. What are radio-isotopes? Give the pharmaceutical application.
13. Describe the various methods of minimizing errors.

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

14. What are sequestering agents? Give examples.
15. Classify non-aqueous solvents with example.
16. Define titration and Limit test.
17. How barium sulphate reagent is prepared?
18. What are haematinics? Give examples.
19. Define standardization and equivalent weight.
20. Name the indicators used in precipitation titration.
21. Write the molecular formula and medicinal uses of sodium thiosulphate.
22. Define Accuracy and Precision.
23. What is test for purity?

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