

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – July 2021
First Semester**

PHARMACEUTICAL INORGANIC CHEMISTRY

Time : Three hours

Maximum: 75 marks

- I. Write essays on any **TWO** questions: (2 x 10 = 20)
1. a) What are the qualities of an ideal antacid?
b) Give the preparation, identification tests, assay and medical uses of sodium bicarbonate.
 2. a) How are Radioactivity measured?
b) What are the clinical applications of Radio isotopes?
 3. Explain the principle and procedure involved in the arsenic limit test with the help of neat labeled diagram and mention the equations wherever necessary.
- II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)
4. What are saline cathartics? Give the preparation of magnesium sulphate.
 5. Write the properties and assay of chlorinated lime.
 6. Explain about physiological acid-base balance.
 7. What is an expectorant? Write the preparation and assay of ammonium chloride.
 8. Write short notes on Pharmacopoeia.
 9. Write note on Calcium gluconate.
 10. Define Acidifier. Write short notes on Ammonium Chloride.
 11. Oral Rehydration salts.
 12. Write a note on dental products and describe the role of fluorides as anti-caries.
- III. Write short notes on : (10 x 2 = 20)
13. What are the reagents used in Iron Limit Test?
 14. Define dentifrices with examples.
 15. Write the composition of Ringer's solution.
 16. Give the molecular formula for a) Sodium Potassium tartarate b) Potash Alum
 17. Write about the solutions of iodine.
 18. Give the preparation and use of copper sulphate.
 19. Write a note on Kaolin.
 20. Explain the importance of test for purity.
 21. How is acid neutralizing capacity of aluminum hydroxide tested?
 22. Assay.