

VINAYAKA MISSION'S RESEARCH FOUNDATIONS
(Deemed to be University) , SALEM

Pharm.D DEGREE EXAMINATION - September 2021
First Year

PHARMACEUTICAL INORGANIC CHEMISTRY

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Explain physiological acid – base balance and its importance. Briefly discuss about five electrolytes used in acid – base imbalance.
2. i) Give the preparation, identification test, assay and medicinal uses of magnesium carbonate and Aluminium hydroxide gel. (10)
ii) Define Antacides. What are the Qualities of an ideal antacid. (5)
3. i) Describe the principle and procedure involved in limit test for Arsenic with Neat Diagram. (10)
ii) Write about Masking and DeMasking agents. (5)

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Pharmaceutical important of Medicinal gases.
5. Preparation, Assay and Uses of Boric Acid.
6. Pharmaceutical Aids with examples.
7. Role of Fluorides as Anticaries agents.
8. Physiological role of copper and Iron.
9. Oral Rehydration therapy.
10. Fundamentals of Volumetric Analysis.
11. Principle involved in Modified Volhard's Method with an example.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Write the uses of i) Ferrous Sulphate ii) Potassium Bromide
13. Classification of Antacids.
14. Define cathartics with example.
15. Antidotes with examples.
16. Expectorants.
17. Dentifrices.
