

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

Pharm.D DEGREE EXAMINATION - February 2020
First Year

PHARMACEUTICAL INORGANIC CHEMISTRY

Time: Three hours

Maximum: 70 marks

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

1. a) Write briefly about complexometric titrations (10)
b) Clinical applications of radio pharmaceuticals (5)
2. a) What is gravimetric analysis? Discuss the steps involved in gravimetric analysis (10)
b) Discuss oral rehydration therapy. (5)
3. Explain the sources of impurities with examples. Discuss on the principle involved in the limit test for iron and lead.

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

4. Medicinal uses of carbondioxide and nitrous oxide.
5. Theory and solvents used on non- aqueous titration.
6. Redox titrations with suitable examples.
7. Preparation assay and uses of calcium gluconate.
8. Theory of indicators.
9. Preparation ad standardization of perchloric acid.
10. Masking and demasking agents.
11. Principle and reactopm involved in the preparation of boric acid and magnesium sulphate.

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

12. Write the use of a) Sodium nitrate b) Hydrogen peroxide.
13. Write any two radiopharmaceuticals and their uses.
14. Define a) Astringents b) Cathartics
15. What are the qualities of an ideal antacid?
16. Principle involved in Mohr's method.
17. Give the storage condition for carbondioxide and nitrous oxide.
