

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

Pharm.D DEGREE EXAMINATION - August 2018
First Year

PHARMACEUTICAL INORGANIC CHEMISTRY

Time: Three hours

Maximum: 70 marks

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

1. a) Discuss the significance of pharmaceutical aids with suitable examples. (10)
- b) Define errors and the types of errors. (5)
2. a) List the types of volumetric estimations and explain the principle involved in redox titrations and non aqueous titrations with two suitable examples for each category. (10)
- b) Describe the complexometric indicators. (5)
3. a) Explain the methodology performed to ascertain the limits of lead in a pharmaceutical preparation with reactions. (10)
- b) Add a note on application of radio pharmaceuticals. (5)

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

4. Explain the principle involved in argentimetric titrations with an example.
5. What are acidifiers? Discuss the estimation of hydrochloric acid.
6. How will you test the limits of Iron in a pharmaceutical preparation?
7. Describe Mohrs and mention its limitations and modifications.
8. Give an account on oral rehydration salts and their formulations as per I.P monograph.
9. Explain the essential role of iodine and its preparations in humans.
10. Give an account on pharmaceutical significance of medicinal gases.
11. Mention the preparation assay and uses of ammonium chloride.

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

12. Define and classify antacids.
13. Write the significance and applications of BaSO₄ meal.
14. What is co-precipitation?
15. Define limit and test and secondary standard.
16. Define an error and list the types of errors.
17. What are antidotes? Give examples.
