

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

**B.PHARM. DEGREE EXAMINATION – JANUARY 2020
First Semester**

PHARMACEUTICAL INORGANIC CHEMISTRY

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Write the principle, procedure and reaction involved in the limit test for
a) Lead b) Iron
2. Describe preparation assay and uses of hydrogen peroxide.
3. What are buffers? Give a list of official buffers. Explain the role of buffer system in pharmaceutical preparation.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Explain the role of fluoride in dental caries.
5. Write the method of preparation, properties and uses of sodium bicarbonate
6. What are astringents ? Write molecular formula properties and uses of potash alum.
7. Define haematinics. Explain the properties and method of preparation of ferrous gluconate.
8. Write the storage and handling of radiopharmaceuticals.
9. Outline the role of activated charcoal in poisoning.
10. Write method of preparation and uses of copper sulphate and sodium thiosulphate.
11. Explain the various type of radiation.
12. ORS (oral rehydration salt).

III. Write short notes on : (10 x 2 = 20)

13. What is meant by limit test?
14. Define acid and base.
15. What are antacid?
16. Give the molecular formula a) Sodium orthophosphate b) Sodium Nitrite
17. Radioisotopes.
18. Give the preparation and use of magnesium sulphate.
19. Write a note on potassium Permanganate.
20. Define Emetics.
21. Ideal properties of antacid.
22. Pharmacopoeia.
