

First Semester B.Pharm Degree Examinations March 2018

**Pharmaceutical Inorganic Chemistry
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- **Answer all questions**
- **Write equations wherever necessary**

Essay

(2x10=20)

1. Define radioactivity. Explain the properties of alpha, beta and gamma rays and explain the preparation, properties, storage and medicinal uses of sodium iodide 131
2. Classify antimicrobials. Explain the preparation and assay of chlorinated lime and hydrogen peroxide.

Short Notes

(7x5=35)

3. Give the preparation of magnesium hydroxide mixture and mention its uses.
4. Give the properties and uses of sodium chloride and sodium nitrite.
5. Explain oral rehydration salt and its uses.
6. What is bentonite. Explain the properties and uses.
7. Explain the principle and reaction involved in the limit test for iron.
8. Define emetics. Explain the properties, assay and uses of copper sulphate.
9. Explain the combinations of antacids with examples.

Answer Briefly

(10x2=20)

10. Principle of assay of calcium gluconate
11. Properties and uses of ferrous gluconate
12. Mention the uses of aluminium hydroxide gel
13. Give an example of each of inorganic compound which is efflorescent and hygroscopic.
14. Method of preparation of sodium bicarbonate.
15. Method of preparation of ammonium chloride
16. Mention the uses of zinc sulphate.
17. Constituents in zinc eugenol cement.
18. What is kaolin. Mention its uses.
19. Define antidotes and mention examples.
