

QP Code: 124006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations  
June 2019**

**Pharmaceutical Inorganic Chemistry  
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Write equations wherever necessary

**Essay**

**(2x10=20)**

1. What is an anti-dote. Describe the method of preparation, assay and properties of sodium thiosulphate.
2. Explain the sources of impurities in pharmacopoeial substances with suitable examples. Explain the principle and reaction involved in the assay of copper sulphate.

**Short Notes**

**(7x5=35)**

3. Explain the principle of limit test for lead with reactions.
4. Emetics.
5. Define antimicrobials. Give the principle of assay of chlorinated lime.
6. Explain major extracellular ions.
7. Discuss electrolytes used in replacement therapy.
8. Name one inorganic compound each used as:
  - Antacid • Hematinic • Emetic • Antidote • Astringent
9. How will you measure the radioactivity.

**Answer Briefly**

**(10x2=20)**

10. The physiological role of sodium.
11. Define astringent. Give example
12. What is an expectorant. Give examples.
13. Give the molecular formula for boric acid and calcium gluconate.
14. Define dentifrices with examples.
15. The properties of  $\alpha$ -radiations.
16. Assay of hydrogen peroxide.
17. Give the medicinal uses of iodine and copper sulphate.
18. The molecular formula and medicinal use of ammonium chloride
19. Molecular formula and medicinal use of calcium carbonate.

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