

QP Code: 124006

Reg. No.....

**First Semester B.Pharm Degree Regular/Supplementary Examinations  
February 2020**

**Pharmaceutical Inorganic Chemistry  
(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

**Essay**

**(2x10=20)**

1. Describe the principle and procedure involved in the limit test for arsenic with neat labeled diagram of Gutzeit's apparatus.
2. List the ideal properties of antacids. Explain the preparation, assay and medicinal uses of sodium bicarbonate.

**Short Notes**

**(7x5=35)**

3. Give the principle of limit test for heavy metals.
4. What are radio isotopes. Mention their pharmaceutical applications.
5. Describe the role of fluoride in the treatment of dental caries.
6. The method of preparation and assay of chlorinated lime.
7. Explain the sources of impurities in pharmaceutical preparations.
8. What are haematinics. Give the method of preparation and assay of anyone hematinic.
9. Describe the various electrolytes used in replacement therapy.

**Answer Briefly**

**(10x2=20)**

10. Define astringent with two examples.
11. The composition and uses of ORS.
12. Explain the role of nitric acid in the limit test for chloride.
13. What are expectorants
14. Define antidotes with examples.
15. What are anti-microbials. Write about their importance.
16. Any four official preparations of sodium with uses.
17. Give the medicinal uses of kaolin and zinc sulphate.
18. What are the reagents used in the limit for iron.
19. The chemical reactions involved in the assay of calcium gluconate.

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