

QP Code: 124006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations  
June 2022**

**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. • Classify antacids and write a note on ideal properties of antacids and combination of antacids.
  - Give the preparation assay and uses of sodium bicarbonate.
2. • Give the functions of major physiological ions used as electrolytes in the replacement therapy.
  - Give the composition and uses of oral rehydration salt.

**Short Notes**

(7x5=35)

3. Write about the role of fluorides in the treatment of dental caries.
4. Write a note on Indian pharmacopoeia.
5. Define alum and give the formula properties and use of potash alum.
6. Write the preparation, properties assay and uses of chlorinated lime.
7. Give the properties and use of the following.
  - kaolin
  - sodium ortho phosphate.
8. Write a short notes on iodine and its preparations.
9. Explain the principle with chemical reactions involved in the Limit test of arsenic.

**Answer Briefly**

(10x2=20)

10. Define haematinics and give one example.
11. Define radioisotope.
12. What is the use of activated charcoal.
13. Principle involved in limit test of Iron.
14. Give two examples of buffer and its application.
15. Properties and uses of sodium iodide – I<sup>131</sup>
16. Properties of potassium permanganate.
17. Give the storage conditions of radio isotopes.
18. Properties and use of aluminium hydroxide gel.
19. Write the chemical equation involved and the indicator used in assay of ammonium chloride.

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