

First Semester B.Pharm Degree Supplementary Examinations
February 2021
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. Define and classify antacids. Explain ideal antacids. Give the preparation, assay, properties and medicinal uses of sodium bicarbonate.
2. Explain the principle and procedures involved in the limit test for heavy metals.

Short Notes

(7x5=35)

3. Explain the role of fluorides as anti caries agents.
4. Explain the methods employed for the measurement of radioactivity
5. Explain the preparation and assay of calcium gluconate
6. Describe the mechanism of action of antimicrobials and give the properties and medicinal use of potassium permanganate.
7. Define acidifiers. Explain the preparation, properties and assay of ammonium chloride.
8. Explain the different types of buffer. Discuss the importance of buffer in pharmaceutical system.
9. What are saline cathartics. Give the preparation and uses of magnesium sulphate.

Answer Briefly

(10x2=20)

10. Preparation of sodium thiosulphate
11. What are the reagents used in the limit test for iron.
12. Mechanism of action and uses of activated charcoal.
13. Define astringent with example.
14. What is Lugol's solution and mention its uses.
15. What is desensitizer. Give an example
16. What is hypertonic saline and mention its uses.
17. Define expectorant. Give the uses of potassium iodide.
18. Define radioactivity. Mention different types of radiations.
19. Mention the uses of boric acid.
