

FACULTY OF PHARMACY

B. Pharmacy I-Semester (PCI) (Backlog) Examination, December 2020

Subject: Pharmaceutical Inorganic Chemistry

Time: 2 Hours

Max. Marks: 75

PART – A

Note: Answer any Seven questions.

(7 x3=21 Marks)

1. What is an impurity? Mention the methods to purify inorganic substances.
2. Differentiate between limit test and assay.
3. List out the methods of adjusting isotonicity.
4. What is buffer? Give two examples for buffer systems.
5. What are the different types of acidifiers? Write their uses.
6. Define a cathartic. Give some examples.
7. Define and classify expectorant.
8. What are dentifrices? Give some examples.
9. Write the applications of radiopharmaceuticals.
10. What are antidotes? Mention the antidotes used cyanide poisoning.

PART – B

Note: Answer One question.

(1 x14=14 Marks)

11. Explain the principle and procedure involved in the limit test for arsenic with a neat labeled diagram.
12. (a) What are electrolyte replenishers? Write the method of preparation, assay and uses of sodium chloride.
(b) What are anticaries agents? Explain the role of fluorides in preventing dental caries.
13. (a) What are antacids? Give the method of preparation, assay and uses of Sodium bicarbonate.
(b) Write the method of preparation, assay and uses of hydrogen peroxide.

PART - C

Note: Answer any Five questions.

(5x8=40 Marks)

14. Explain the principle and procedure involved in the limit test for sulphates.
15. Write the method of preparation, assay and uses of ammonium chloride.

16. What are antimicrobial agents? Add a note on potassium permanganate.
17. Discuss the methods of adjusting isotonicity.
18. What are desensitizing agents? Give examples.
19. Write any one method to measure radioactivity.
20. Write the preparation, assay and uses of calcium gluconate.
21. Discuss about various sources of impurities.
22. Define astringent? Write the method of preparation and uses of zinc sulphate.
