

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Supplementary Examination – Summer 2023

Date: 14-09-2023

Course	: B. Pharmacy	Sem:	I
Subject Name	: Pharmaceutical Inorganic Chemistry	Subject Code	BP104T
Max Marks	: 75	Duration	: 3 Hr.

Instructions:

1. All questions are compulsory
2. Draw diagrams / figures wherever necessary
3. Figures to right indicate full marks

Q. 1. Objective Type Questions (Answer all the questions)

(10 x 2) = 20

- i) Define Achlorhydria and gives its treatment.
- ii) Define astringents with example.
- iii) Define Dentifrices and give its example.
- iv) Write the reaction involve in the limit test of sulphate.
- v) Define antiseptic and disinfectant.
- vi) Give the chemical formula and medicinal uses of sodium thiosulphate.
- vii) What is the alpha particle decay and give its suitable example?
- viii) Give the preparation and uses of CuSO_4 .
- ix) Give the composition of ORS.
- x) Define hyponatremia and hypernatremia.

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Q. 2. Long Answers (Answer 2 out of 3)

(2 x 10) = 20

- i) Define impurities and describe the various sources of impurities present in pharmaceutical substances with examples.
- ii) Define Buffers. Explain the mechanism of buffer action with an example. Briefly discuss the role of Buffers in Pharmacy.
- iii) Describe in detail Geiger - Muller counters and Scintillation counters for the measurement of Radio - activity.

Q. 3. Short Answers (Answer 7 out of 9)

(7 x 5) = 35

- i) Define limit test and write down the principle, reaction, procedure involve in the limit test of chloride.
- ii) Write a note on cyanide poisoning.
- iii) Define and Classify antacids with suitable example and give the ideal properties of Antacid.
- iv) Write molecular formula, properties, method of preparation, assay and uses of