

BACHELOR OF PHARMACY (B. PHARM.) (CBCS-2019 COURSE)
B. Pharm. Sem-I :SUMMER- 2022
SUBJECT : PHARMACEUTICAL INORGANIC CHEMISTRY

Day : Tuesday
Date : 19-07-2022

S-20656-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to each section should be written in **SEPARATE** answer books.

SECTION -I

Q.1 Answers all questions: **(20)**

- a) Define radioisotops and give two examples.
- b) Enlist different sources of impurities in pharmaceutical substances.
- c) Write the principle involved in limit test for lead.
- d) Explain in brief mechanism of action of astringents.
- e) Write the principle involved in assay of ammonium chloride.
- f) Define cathartics and give two examples.
- g) Write properties of α radiation.
- h) Explain assay of copper sulphate.
- i) Write preparation method of hydrogen peroxide.
- j) Explain hydrochloric acid as acidifier.

Q.2 Answer any **TWO** of the following **THREE** questions: **(20)**

- a) Write in detail history of Indian pharmacopoeia.
- b) Explain the physiological buffer systems in human body.
- c) Define dentifrices and write in detail preparation, properties, assay and uses of sodium bicarbonate.

SECTION -II

Q.3 Answer any **SEVEN** from following **NINE** questions: **(35)**

- a) Explain the principle and reaction involved in limit test of Arsenic.
- b) Discuss in brief about role of buffers in pharmaceutical system.
- c) Write note on sodium as physiological ion.
- d) Comment on combination antacid therapy.
- e) What are saline cathartics? Give the preparation, assay and uses of magnesium sulphate.
- f) Explain in brief about the mechanism of action antimicrobial agents.
- g) Explain preparation, properties and uses of sodium chloride.
- h) What are expectorants explain with suitable examples?
- i) What are antacids? Classify them. Give ideal requirements of antacids.

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