Printed Pages: 02

BH-BP-104
Bachelor Of Pharmacy
First Semester Examination, 2022

Paper-Fourth

(PHARMACEUTICAL INORGANIC CHEMISTRY)

Time Allowed: Three Hours
Maximum Marks: 75

SECTION - A

Note: Attempt all questions. Each question carries two marks. **(10 x 2= 20)**

Q. 1. Very Short Answer Type Questions:

i. What is meant by the terms isotonic with respect to solutions?

ii. What are antacids? Give two examples.

iii. Define osmolarity.

iv. Name any two biological buffers system.

v. Write any two medical uses of boric acid.

vi. What are radioisotopes? Give two examples

vii. What is dental caries? Name two anticaries agents

viii. What are antidotes? Write two uses.

ix. Write the molecular formula and uses of Boric acid.

x. Define pH.

SECTION - B

Note: Attempt any seven questions. Each question carries 5 marks. 7x5=35

Q. 2. Short Answer Type Questions:

i. What are dental caries? Describe in brief the role of fluorides.

ii. Discuss the physiological acid-base balance in the body.

iii. Write a note on expectorant.

iv. What are buffer solutions? Write Henderson-Hasselbalch equation.

v. What is the principle of limit test? Write procedure of limit test for chloride ions.

vi. Describe the Lewis concept of acid and base with examples.

vii. Describe the various sources of impurities in brief.

viii. Describe desensitizing agents with examples.

ix. Give the method of preparation and uses of Aluminum hydroxide gel.

SECTION - C

Note: Attempt any two questions. Each question carries 10 marks. 10x2=20

Q. 3. Long Answer Type Questions:

i. Mention the properties of a, ß and y-radiations. Briefly describe the diagnostic and therapeutic applications of radioisotopes.

ii. What are electrolytes? Name the major intra and extra cellular electrolytes in the body with their physiological importance.

iii. What are antimicrobial agents? Give a brief classification of antimicrobials. Write a note on various iodine preparations.