Printed Pages: 02 **Sub Code: RPH 101**

Paper Id: 150111 **Roll No.** | | | | | | | | | | |

B.PHARM
(SEM I) THEORY EXAMINATION 2018-19
PHARMACEUTICAL CHEMISTRY- I
(PHARMACEUTICAL INORGANIC CHEMISTRY)

Time: 3 Hours ***Total Marks: 70***

Note: 1. Attempt all Sections.

SECTION A

1. Attempt *all* questions in brief. **2 x 7 = 14**

a. What is Limit test? Which apparatus is used for the limit test for Arsenic?

b. Define Dentifrices. Give its example.

c. What are Haematinics? Write its example.

d. Differentiate Achlorhydria and hyperchlorhydria.

e. What are expectorants? Give its example.

f. Write down the chemical formula of Bismuth sub-carbonate and Sodium metabisulphite.

g. What are physiological ions?

SECTION B

2. Attempt any *three* of the following: **7 x 3 = 21**

a. Define antioxidants with example. Give parameters for the selection of antioxidants.

b. Write the principle and procedure involved in the Limit test for Arsenic.

c. Give a detail account on Povidine-Iodine.

d. Write short note on any two of the following :

i) Magnesium hydroxide
ii) Calcium carbonate
iii) Zinc sulphate
iv) Boric acid

e. What are Gastrointestinal agents? Classify. Write the physical properties of Calamine.

SECTION C

3. Attempt any *one* part of the following: **7 x 1 = 7**

(a) Explain about source and types of impurities with examples.

(b) What are Respiratory stimulants? Give an account on Sodium chloride.

4. Attempt any *one* part of the following: 7 x 1 = 7

(a) Define Astringent. Write chemical formula, preparation and uses of Alums.

(b) Write a detailed account on the major Intra and Extra cellular electrolytes.

5. Attempt any *one* part of the following: 7 x 1 = 7

(a) What are anti-caries agents? Write the chemical properties of Sodium fluoride.

(b) Discuss about ORS. Give an account on Ferrous sulphate.

6. Attempt any *one* part of the following: 7 x 1 = 7

(a) Explain the various methods employed for measurement of radioactivity.

(b) Write down the ideal characteristics of an antacid. Give its classification also.

7. Attempt any *one* part of the following: 7 x 1 = 7

(a) What are antidotes? Classify them. Write chemical formula and physical properties of any one antidote.

(b) Explain the combination antacid therapy in detail.