Printed pages: 01 **Sub Code: BOP111**

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B PHARM
(SEM I) THEORY EXAMINATION 2017-18
PHARMACEUTICAL CHEMISTRY-1
(INORGANIC PHARMACEUTICAL CHEMISTRY)

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections.

SECTION A

1. Attempt *all* questions in brief. **2 x10 = 20**

a) Write the composition of ORS.
b) Define Achlorhydria and Hypochlorhydria.
c) Give the role of Theoglycollic acid in the Limit test of Iron?
d) What are Haematinics? Give two examples.
e) What is half- life period?
f) Give the classification of expectorants.
g) What are Radiopharmaceuticals? Give any two examples.
h) Define the term astringents with examples.
i) What are Antacids. Give two examples.
j) What are expectorants give their examples.

SECTION B

2. Attempt any *three* of the following: **10 x 3 = 30**

a) Describe the Limit Test of iron.
b) Give the different theories of acid and base solution.
c) Give the handling and precaution of radioactive material.
d) Discuss Electrolyte Combination therapy.
e) Write methods for measurements of radioactivity with diagram.

SECTION C

3. Attempt any *one* part of the following: **10 x 1 = 10**

(a) Discuss about oral rehydration therapy.
(b) Enumerate the application of radioisotope in medicine.

4. Attempt the following: **5 x 2 = 10**

a) Give the method of Preparation, Identification and use of (any **two**):
(i) Ferrous gluconate
(ii) Ferrous sulphate
(iii) Ferric ammonium citrate.

5. Attempt any *one* part of the following: **10 x 1 = 10**

(a) Write in detail about the various pharmaceutical impurities.
(b) Write a note on antioxidants and Astringents.

6. Attempt the following: **5 x 2 = 10**

(a) Give the method of Preparation, Identification test, Properties and use of (any **two**):
(i) Calcium chloride
(ii) Calcium lactate
(iii) Sodium acetate

7. Attempt any *one* part of the following: **10 x 1 = 10**

(a) Explain the Limit test of arsenic. Write the reaction involved and draw a neat labelled diagram of the apparatus used.
(b) What are the major Intracellular ions and Extracellular ions? Explain briefly about any two.