

F.Y.B.PHARM. SEMESTER-I (2011 COURSE) : SUMMER - 2018
SUBJECT : PHARMACEUTICAL CHEMISTRY – I (INORGANIC)

Day : **Friday**
Date : **20/04/2018**

S-2018-3939

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 80

N.B.:

- 1) **Q.No. 1 and Q.No.5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Attempt **ANY FIVE** of the following: [10]
- a) Write importance of the calcium in the body.
 - b) Define the term monograph and pharmacopoeia.
 - c) Give the principle involved in the limit test for sulphate.
 - d) Explain the term assay with its significance.
 - e) Explain the acidifying agents with its significance.
 - f) Write principle and reaction involved in the limit test of chloride.
- Q.2** a) Write note on limit test for Arsenic. [08]
b) Write about factors affecting on purity of pharmaceutical. [07]
- Q.3** a) Write note on electrolytes used in acid-base therapy. [08]
b) Write note on sources and impurities. [07]
- Q.4** Write short notes on **ANY THREE** of the following: [15]
- a) Limit test for heavy metal
 - b) Sodium and chloride as a major extracellular fluid ions
 - c) Ringer solution
 - d) Limit test for iron

SECTION – II

- Q.5** Attempt **ANY FIVE** of the following: [10]
- a) Give assay of aluminum hydroxide gel.
 - b) Explain how iron is stored in the body.
 - c) Give the mechanism of action of saline cathartics.
 - d) Give the ideal properties of antacids.
 - e) Explain the reaction involved in the assay of potassium iodide.
 - f) Give classification of antacids with suitable examples.
- Q.6** a) What are antacids? Give mechanism of action, properties and uses of aluminum containing antacids. [08]
b) Discuss bismuth containing compounds as gastrointestinal protective and adsorbents. [07]
- Q.7** a) What are essential and trace elements? Discuss absorption, distribution and physiological role of iodine. [08]
b) Write in detail about combination antacid preparations. [07]
- Q.8** Write short notes on **ANY THREE** of the following: [15]
- a) Physiological role of copper
 - b) Kaolin
 - c) Magnesium sulphate as cathartics
 - d) Sulphur as essential and trace element

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