

F. Y. B. PHARM. SEMESTER-I (CBCS - 2015 COURSE) :
WINTER - 2017

SUBJECT: PHARMACEUTICAL CHEMISTRY – I (INORGANIC)

Day : Wednesday
Date : 08/11/2017

Time : 10.00 AM TO 01.00 PM
Max. Marks : 60

W-2017-3776

N.B.

- 1) **Q. No.1** and **Q. No. 5** are compulsory out of the remaining question attempt **ANY TWO** question from each section.
- 2) Answer 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) Why deep reddish purple colour is developed in iron limit test?
 - b) Write principle involved in sulphate limit test.
 - c) Write importance of sodium in body.
 - d) Write the principle of assay of sodium acetate.
 - e) Write the principle involved in the limit test of chloride.
 - f) Write the physicochemical properties and uses of sodium citrate.
- Q.2** a) Write note on electrolyte combination therapy. (07)
b) Write in brief about contents of official monograph. (03)
- Q.3** a) Write note on limit test for Arsenic. (07)
b) Comments on sources of impurities. (03)
- Q.4** Write short notes on **ANY TWO** (10)
- a) Limit test for Lead.
 - b) Electrolytes used in replacement Therapy.
 - c) Factors affecting on purity of pharmaceuticals.

SECTION - II

- Q.5** Attempt **ANY FIVE** of the following (10)
- a) Give assay procedure for calcium carbonate.
 - b) What do you mean by essential and trace elements.
 - c) Define the terms antacid and Hyperacidity.
 - d) What are gastrointestinal protective and adsorbents?
 - e) Enlist official compounds of zinc and copper.
 - f) Explain the assay of ferrous sulphate IP.
- Q.6** a) Discuss the side effects associated with antacid therapy. Explain the evaluation of antacid activity. (07)
b) Explain the biochemical role of Sulphur in body. (03)
- Q.7** a) Discuss absorption, distribution and physiological role of iron. (07)
b) Compare advantages and disadvantages of systemic and non-systemic antacids. (03)
- Q.8** Write short notes on **ANY TWO** (10)
- a) Magnesium sulphate as cathartics
 - b) Kaoline
 - c) Iodine and its preparations
