

**F.Y.B.PHARM. SEMESTER-I (2011 COURSE) : WINTER -
2017**

SUBJECT : PHARMACEUTICAL CHEMISTRY – I (INORGANIC)

Day : **Wednesday**
Date : **08/11/2017**

W-2017-3806

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) Explain the term acidifying agents with its significance.
 - b) Explain the term electrolyte and non-electrolytes with its significance.
 - c) Explain official of purity.
 - d) Write principle and reaction involved in the limit test for chloride.
 - e) Write importance of the calcium in the body.
 - f) Define pharmacopoeia and monograph.
- Q.2** a) Write note on limit test of heavy metal. **[08]**
b) Write note on sodium chloride. **[07]**
- Q.3** a) Write in detail contents of official monograph. **[08]**
b) Write note on sources of impurities. **[07]**
- Q.4** Write short notes on **ANY THREE** of the following: **[15]**
- a) Limit test for iron
 - b) Electrolyte used in replacement therapy
 - c) Limit test for sulphate
 - d) Limit test for Arsenic

SECTION – II

- Q.5** Attempt **ANY FIVE** of the following: **[10]**
- a) Why particle size of protective is important? Give examples of protectives
 - b) Give the mechanism of action of saline cathartics.
 - c) Compare the advantages and disadvantages of systemic and non-systemic antacids.
 - d) Define bulk purgatives and lubricants.
 - e) Explain the reaction involved in the assay of potassium iodide.
 - f) Explain the evaluation of antacid activity.
- Q.6** a) What are essential and tracer elements? Discuss absorptions, distribution and physiological role of iron. **[08]**
b) Write in detail about combination antacid preparation. **[07]**
- Q.7** a) What are antacids? Give mechanism of activity properties and uses of Magnesium containing antacids. **[08]**
b) Discuss bismuth containing compounds as gastrointestinal protective and adsorbents. **[07]**
- Q.8** Write short notes on **ANY THREE** of the following: **[15]**
- a) Physiology role of zinc
 - b) Kaolin
 - c) Magnesium Sulphate as cathartics
 - d) Iodine and its preparation

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