

F.Y.B.PHARM. SEMESTER-II (2011 COURSE) : SUMMER - 2018

SUBJECT : PHARMACEUTICAL CHEMISTRY – III (INORGANIC)

Day : **Saturday**
Date : **21/04/2018**

S-2018-3945

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) Give preparation and properties of titanium oxide.
 - b) What is mean by topical agents? Classify them with suitable example.
 - c) Write the uses of astringent.
 - d) Define disinfectant and fungicide.
 - e) Write uses of Talc.
 - f) What is dissociation constant? Give its significance.
- Q.2** a) Explain various methods for softening temporary hard water. [08]
b) What are antimicrobials? Discuss the various mechanism of antimicrobial action with examples. [07]
- Q.3** a) Write in detail note on zinc oxide. [08]
b) Write note on Alum and Boric acid on Astringent. [07]
- Q.4** Write short notes on **ANY THREE** of the following: [15]
- a) Topical agents
 - b) Antioxidants
 - c) Potassium permanganate
 - d) Official control test for water

SECTION – II

- Q.5** Attempt **ANY FIVE** of the following: [10]
- a) Define expectorants and emetics.
 - b) What is laughing gas? Give its uses.
 - c) Why elements in radio contrast media should have high atomic number?
 - d) Give the mechanism of action of emetics.
 - e) Give the role of dibasic calcium phosphate in dental products.
 - f) What are desensitizing agents? Give examples.
- Q.6** a) What are anticaries agents? Discuss the role of fluoride as anticaries agents. [08]
b) Describe the properties, role and uses of oxygen gas. [07]
- Q.7** a) What do you mean by radio opaque contrast media? Discuss preparation, properties and uses of calcium sulphate. [08]
b) Discuss about cyanide poisoning. [07]
- Q.8** Write short notes on **ANY THREE** of the following: [15]
- a) Assay and uses of carbon dioxide
 - b) Dentifrices
 - c) Helium gas
 - d) Expectorants and emetics

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