

Day: Thursday
Date: 09/11/2017

Time 10.00 AM TO 01.00 PM
Max. Marks: 60

W-2017-3782

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) Figures to the right indicate **FULL** makes.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.1 Attempt any **FIVE** of the following: (10)
- a) Write the uses of alum.
 - b) What are antioxidants?
 - c) Write the principle involved in the assay of hydrogen peroxide.
 - d) Write difference between water for injection and sterile water for injection.
 - e) Define protectives with suitable examples.
 - f) Define and classify topical agents.
- Q.2 a) Describe the methods of removal of hardness of water. (07)
b) Write the uses of potassium permagnate. (03)
- Q.3 a) Write a note on Antimicrobial agents. (07)
b) Write the uses of povidone-iodine and Tinture iodine. (03)
- Q.4 Write short notes on any **TWO** of the following: (10)
- a) Protectives
 - b) Official control tests for water
 - c) Buffers as a pharmaceutical aids.

SECTION-II

- Q.5 Solve any **FIVE** of the following: (10)
- a) Define expectorants and emetics.
 - b) What is laughing gas? Give its uses.
 - c) Give the mechanism of action of fluoride as anti-caries agent.
 - d) Give the role of dibasic calcium phosphate in dental products.
 - e) Give classification of antidotes.
 - f) How dental caries are formed?
- Q.6 a) Discuss compositions of dentifrices with elaboration of polishing agents. (07)
b) Explain the role of Oxygen in the body. (03)
- Q.7 a) What are antidotes? Give a detail account of sodium Nitrite and sodium thiosulphate. (07)
b) Elements in radiopaque contrast media have high atomic number. Explain. (03)
- Q.8 Write short notes on any **TWO** of the following: (10)
- a) Transport of oxygen in the body
 - b) Copper Sulphate
 - c) Helium