

Total No. of Questions : 6]

SEAT No. :

[Total No. of Pages : 3

P1428

[5049]-103

F.Y.B.Pharmacy

PHARMACEUTICAL INORGANIC CHEMISTRY

(2013 Pattern) (Semester - I)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections should be written in separate answer books.*
- 3) *Figures to the right indicate full marks.*

SECTION - I

Q1) Attempt any one from the following: **[10]**

- a) Define Limit test. Explain in detail limit test of Arsenic and Iron.
- b) Define Antacids. Write ideal properties of Antacids. Explain combination of Antacids in detail with two examples.

Q2) Solve any five from the following: **[15]**

- a) Write a note History of Indian Pharmacopoeia.
- b) Discuss Preparation, properties and uses of Bismuth compounds.
- c) Define Hardness of water and enlist methods to remove temporary and permanent hardness of water.
- d) Define Monograph. Explain the term Storage condition in Monograph.
- e) Explain in brief Acidifying agents.
- f) Write Preparation, Properties and uses of Sodium Hypochlorite.
- g) Explain in brief Copper as trace ion.

P.T.O.

Q3) Solve any two from the following:

[10]

- a) Role of Calcium and Bicarbonate in our body.
- b) Explain in brief electrolyte replacement therapy.
- c) Discuss official control test of water.
- d) Write in brief about role of zinc as base ion and give properties and uses of Zinc Sulphate.

SECTION - II

Q4) Attempt any one from the following:

[10]

- a) Explain in detail electrolytes used in acid base combination therapy.
- b) What are Antimicrobial agents? Explain their mode of action. Write Properties, assay and uses of Potassium Permanganate.

Q5) Solve any five from the following:

[15]

- a) Define along with examples
 - i) Anticaries agents
 - ii) Astringents
 - iii) Antidotes
- b) Write storage and labeling conditions for Nitrogen, Nitrous oxide and Oxygen as inorganic gases.

- c) Write short note on properties and uses of sodium thiosulphate.
- d) Write in brief about Sodium Fluoride as Anticaries agent.
- e) Write a note on Zinc as trace ion.
- f) Enlist the contents of individual monographs.
- g) Explain ORS (Oral Rehydration Salt).

Q6) Solve any two from the following:

[10]

- a) Explain Barium Sulphate as Radio opaque Contrast Media.
- b) Write a note on Ammonium Chloride as a expectorant.
- c) Explain Properties and uses of sodium potassium tartarate and magnesium sulphate.
- d) What are topical protective agents? Explain in detail Talc and Zinc oxide as protectives.

