

B. PHARM.
(SEM I) THEORY EXAMINATION 2018-19
PHARMACEUTICAL INORGANIC CHEMISTRY

Time: 3 Hours**Total Marks: 75****Note:** Attempt all Sections. Write section and question number of each answer.

SECTION A

1. Attempt all questions in brief.**10 x 2 = 20**

- a. Give the reaction involved in the limit test of Iron.
- b. What do you mean by ORS?
- c. Potassium permanganate, used as an anti-infective agent, acts through which mechanism?
- d. Why dilute nitric acid used in the limit test of Chloride?
- e. Why Povidone-iodine preferred over iodine as Anti-infective agents?
- f. Define the term acidifying agents.
- g. Define Haematinics with examples.
- h. Give the name of electrolytes used in the replacement therapy.
- i. Define Expectorants with examples.
- j. Give disadvantage of Systemic antacids.

SECTION B

2. Attempt any two parts of the following:**2 x 10 = 20**

- a. What do you understand from Anti-infective agents? Explain various mechanism of action of inorganic anti-microbial agents. Give preparation and reaction of Hydrogen peroxide.
- b. Write in detail about various techniques used in the measurement of radioactivity with suitable diagram.
- c. Give the preparation and reaction of any *four* :-
 - (i) Ammonium chloride
 - (ii) Sodium orthophosphate
 - (iii) Potassium permanganate
 - (iv) Magnesium hydroxide
 - (v) Copper sulphate

SECTION C

3. Attempt any seven parts of the following:**7 x 5 = 35**

- a. Discuss principle and reaction involved in the Limit test of Arsenic.
- b. Write a note on various sources of impurities.
- c. Explain physiological acid base balance with suitable diagram.
- d. Describe Dentifrices with suitable example
- e. Write a short note on Antacids.
- f. Give classification of Cathartics with suitable examples.
- g. Define Astringents. Give preparation and reaction of Zinc sulphate.
- h. Give properties of alpha, beta and gamma radiations.
- i. Write a short note on Antidote with suitable examples.