

[BPHARM 0921]

SEPTEMBER 2021  
(SEPTEMBER 2020 EXAM SESSION)

Sub. Code: 2007

B.PHARM. DEGREE EXAMINATION  
PCI Regulation 2017 – SEMESTER I  
PAPER IV – PHARMACEUTICAL INORGANIC CHEMISTRY  
*Q.P. Code: 562007*

Time: Three hours

Maximum: 75 Marks

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. What are Limit tests? Discuss in detail about the principle involved in the limit test of Iron.
2. Discuss in detail the different methods used in the measurement of Radioactive substances with a note on their storage conditions.
3. Write a detailed note on electrolytes used in Replacement therapy and importance of Oral Rehydration Salt (ORS).

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. What are Antacids? Give the preparations, properties and uses of Sodium bicarbonate.
2. Give the principle, and reaction involved in limit test of Chloride.
3. Role of Fluorides in treatment of Dental caries.
4. What are Antidotes? Give the preparation, properties and use of Sodium thio sulphate.
5. Define the terms: (a)Expectorants (b)Laxatives (c)Astringents (d)Disinfectants.
6. Give the properties and uses of the following. (a)Kaolin (b)Sodium ortho phosphate.
7. Write short notes on Iodine and its preparations.
8. What are Emetics ? Give the preparation , properties and use of Copper sulphate.
9. Write a short note on sources of impurities in Pharmaceutical substances.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. What are Electrolytes?
2. Any two applications of Radioisotopes.
3. Give the properties and use of Ferrous sulphate.
4. Write a note on Alum.
5. Define Isotonicity.
6. What are Acidifiers?
7. Preparation and uses of Calcium carbonate.
8. What are Haematinics?
9. Define Buffer capacity.
10. Properties and use of Potassium permanganate.