

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BPHARM 0122]

JANUARY 2022
(MARCH 2021 EXAM SESSION)

Sub. Code: 2007

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

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. (a) What is physiological Acid Base Balance?
(b) Give the composition and uses of Oral Rehydration Salt.
2. Write the method of preparation, assay and uses of
(a) Sodium Chloride.
(b) Ferrous sulphate.
3. Write a detailed note on mechanism of Antimicrobials and highlight on the use of Iodine and its preparation as antimicrobials.

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

1. Write the principle involved in the limit test of Sulphates.
2. Write a note on Indian pharmacopoeia.
3. Write about the preparation, assay and use of Calcium gluconate.
4. What are Expectorants? Give the preparation, properties, assay and use of Ammonium chloride.
5. Define Alum and give the formula, properties and uses of Potash alum.
6. Write the preparation, properties, assay and uses of Chlorinated lime.
7. Write short notes on Iodine and its preparations.
8. What are Cathartics? Give the preparation and properties of Bentonite.
9. What are Antidotes? Give the preparation, properties and uses of Sodium thiosulphate.

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

1. Define Haematinics and give one example.
2. Give the storage conditions of Radio isotopes.
3. Define Astringent and give an example.
4. Uses of Citric acid in the limit test of Iron.
5. What is the use of activated Charcoal.
6. Give the formula and use of (a) Calcium carbonate (b) Zinc eugenol cement.
7. Define Dentifrice with example.
8. Enumerate the ideal properties of Antacids.
9. Give the principle involved in the limit test of Chloride.
10. Define Osmotic laxative.
