

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

[LR 0121]

JANUARY 2021

Sub. Code: 2007

(MARCH 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation 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) Classify Antacids and write a note on ideal properties of Antacids and combination of Antacids.
(b) Give the preparation, assay and uses of Sodium bicarbonate.
2. (a) Classify Antimicrobials with examples.
(b) Write the preparation, assay and uses of Chlorinated lime.
3. What are the Buffers? Write in detail about Buffered isotonic solutions and their use in Pharmaceutical formulations?

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

1. Write the preparation, assay and uses of Ammonium chloride.
2. What are the Properties of α , β and γ rays?
3. Role of Fluorides in treatment of Dental caries with an example
4. What are Emetics? Give the preparation, properties and uses of Copper sulphate.
5. What are Haematinics? Write the method of preparation, assay and uses of Ferrous sulphate.
6. Give the composition and uses of Oral Rehydration Salt.
7. Give the properties and uses of the following. (a) Kaolin (b) Sodium ortho phosphate.
8. Write short notes on Iodine and its Preparations.
9. Write a note on Indian Pharmacopoeia.

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

1. Principle involved in limit test of Iron.
2. Define Cathartics and give an example.
3. Define Buffer capacity.
4. Define Half life period.
5. Define Expectorant.
6. Properties and uses of Potassium permanganate
7. Pharmaceutical application of Radioactive isotopes.
8. Give the composition of Ringer solution.
9. Properties and use of Sodium iodide
10. Properties and uses of Aluminium hydroxide gel.
