

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

[LR 1220]

DECEMBER 2020

Sub. Code: 4251

(AUGUST 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

FIRST YEAR – (Regulation from 2009-2010)

PAPER I – PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. Code: 564251

Time: Three hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Define Dentifrices. Describe in detail about Dibasic Calcium Phosphate.
b) Write note on Sodium Fluoride.
2. a) Briefly explain about the Theory of Coordination Compounds and Pharmaceutical Application of Coordination Compounds.
b) Write note on Dimercaprol and Penicillamine.

II. Write notes on:

(8 x 5 = 40)

1. Write note on Argentometric titration.
2. Write the Principle and Procedure involved in Limit test for Iron.
3. Give the detail in Measurement of Radiation.
4. Write short notes on Bleaching Powder.
5. Discuss on Physiological acid – base balance.
6. Write note on Iron Dextran Injection.
7. Give the detail about Pharmacopoeia and Monograph.
8. Discuss on Antacids used in Combination Therapy.

III. Short answers on:

(10 x 2 = 20)

1. Define Amphiprotic Solvent.
2. Write official compounds of Magnesium along with its uses.
3. Write the Preparation of Calamine lotion.
4. Define Isotope and Isobar.
5. Write the assay of Sodium Chloride.
6. How do you store Nitrogen gas?
7. Write the preparation of Potassium Iodide.
8. Identify Carbonate and Sodium.
9. Write the uses of Silver Nitrate.
10. Draw the structure and use of 1, 10-Phenanthroline.
