

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

(LP 4251)

AUGUST 2019

Sub Code: 4251

**B.PHARM. DEGREE EXAMINATION
FIRST YEAR**

PAPER I – PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. Code: 564251

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain about the types of radiation, storage and precaution of Radioactive Substance.
b) Write note on Radio Opaque Contrast Medium.
2. a) Briefly explain about the source of Impurities.
b) Write note on limit test for Lead.

II. Write notes on:

(8 x 5 = 40)

1. Define Acidifier. Write short notes on Ammonium Chloride.
2. Write note on Acid Neutralizing Capacity.
3. Give a note on Titanium dioxide.
4. Write short notes on Potash Alum.
5. Write note on Calcium gluconate.
6. Describe in detail on physiological role of Iron.
7. Write note on Helium gas.
8. Write detail note on Expectorants.

III. Short answers on:

(10 x 2 = 20)

1. Assay.
2. Ideal antacid.
3. Astringent.
4. Disinfectants.
5. Anti-Oxidant.
6. Sclerosing agent.
7. Ligands.
8. Hypernatrimia.
9. Aprotic Solvents.
10. Lugol's Solution.
