

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

[BPHARM 0921]

**SEPTEMBER 2021
(SEPTEMBER 2020 EXAM SESSION)**

Sub. Code: 2052

**B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER V
PAPER II – INDUSTRIAL PHARMACY – I**

Q.P. Code: 562052

Time: Three hours

Maximum: 75 Marks

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

1. Explain about the production of hard gelatin capsule.
2. Write in detail about the manufacturing defects of tablets.
3. Describe the quality control test to be carried out for pharmaceutical aerosols.

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

1. Sugar coating process.
2. Physical factors of drug that affect stability of dosage form.
3. Define pyrogens. Describe pyrogen test.
4. Wet granulation Method and its limitations.
5. Define a dosage form. Give the classification of dosage form.
6. Explain the different additives used in parenteral formulations.
7. Shampoo.
8. Syrups.
9. Explain the identification tests for emulsion type.

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

1. Slugging.
2. Importance of tablet coating.
3. Organoleptic additives.
4. Types of aerosol systems.
5. Name the enteric coated polymers.
6. Labeling method of eye preparations.
7. Diluents.
8. Components of a rotary punching machine
9. Types of stability studies.
10. Importance of hardness test on tablet.
