

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

**[BPHARM 0122]**

**JANUARY 2022  
(MARCH 2021 EXAM SESSION)**

**Sub. Code: 2052**

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)**

**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. Define tablet, classify them. Describe in detail about excipient used and evaluation tests for tablets.
2. Explain the production procedures and production facilities of aseptic processing in the formulation of Injectables.
3. Explain the production of hard gelatin capsules and filing, finishing and quality control tests.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Physical properties of drugs in preformulation studies.
2. Sterilization procedures of large volume parenterals (LVP).
3. Types of packaging material and its importance.
4. Tooth pastes.
5. Propellants used in pharmaceutical aerosols.
6. Coating of tablets and its application.
7. Additives used in Liquid dosage forms.
8. Formulation of eye drops.
9. Ideal properties of coating materials.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Bloom strength.
2. Types of suspensions.
3. Define Elixirs.
4. IPQC tests.
5. Diluents.
6. Aseptic conditions.
7. Polymorphism
8. Blister pack.
9. Valve assembly in aerosols.
10. Advantages of soft gelatin capsules.

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