

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

**[LQ 0121]**

**JANUARY 2021**

**Sub. Code: 2933**

**(APRIL 2020 EXAM SESSION)**

**M.PHARMACY DEGREE EXAMINATION**

**SEMESTER-I (PCI New regulations 2016)**

**PHARMACEUTICS – MPH**

**PAPER III – MODERN PHARMACEUTICS**

***Q.P. Code : 262933***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss in detail types, composition, evaluation, advantages and limitations of pharmaceutical dispersions formulations.
2. Describe in detail validation process for manufacturing tablets.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Types of Process Validation.
2. Add a note on manufacturing process model for solid dosage form.
3. Describe Heckel plot for compaction of tablet.
4. Discuss GMP for equipment cleaning and maintenance.
5. Explain Physics of Tablet compression.
6. Discuss the concept of Optimization.
7. Sales forecasting technique.

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