

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

[M.PHARM 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2933

**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 the effect of friction, distribution of forces and compaction profile during tablet compression.
2. Describe in detail in various methods of determining Drug-excipient interactions.

II. Write notes on:

(7 x 5 = 35)

1. What are the limitations in formulations of SMEDDS?
2. Explain the response surface designs used for optimization of formulations.
3. What are User Requirement Specifications (URS) for equipments?
4. Discuss the Functions of Production Management.
5. Evaluation of Parenteral Formulations.
6. Discuss the parameter affecting rate of Dissolution.
7. Explain Compatibility profile of Tablet.
