

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

[M.PHARM 0823]

**AUGUST 2023
(APRIL 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. Explain elaborately about Physics of Tablet Compression.
2. Define Pharmaceutical validation and write scope and quality. Discuss about general guidelines for the validation and calibration of manufacturing process model.

II. Write notes on:

(7 x 5 = 35)

1. Stability testing of Small volume parenterals.
2. Factorial designs and application in pharmaceutical formulation.
3. Describe current Good Manufacturing Practice.
4. Similarity factors (f2).
5. Response surface Methodology.
6. Calibration and Validation of equipments as ICH guidelines.
7. Concept of Total Quality Management.
