

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

[LO 933]

MAY 2019

Sub. Code: 2933

**M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
BRANCH I – PHARMACEUTICS – MPH
PAPER III – MODERN PHARMACEUTICS**

Q.P. Code : 262933

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define stability. Explain elaborately about stability testing.
2. Discuss in detail about production management.

II. Write notes on:

(7 x 5 = 35)

1. Consolidation parameters.
2. Calibration and validation of equipments.
3. Self micro-emulsifying drug delivery system.
4. Concept and parameters of optimization.
5. Performance qualification in pharmaceutical validation.
6. Methods used for enhancement of solubility of poorly water soluble drugs.
7. Layout of buildings in current good manufacturing practices.
