

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

[LP 937]

NOVEMBER 2019

Sub. Code: 2937

**M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-I – PHARMACEUTICS – MPH
PAPER III – COMPUTER AIDED DRUG DELIVERY SYSTEM**

Q.P. Code : 262937

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. The various statistical modeling in Pharmaceutical Research and Development.
2. The applications of computer in various Intellectual Property Rights of Pharmaceutical R & D.

II. Write notes on:

(7 x 5 = 35)

1. Computer simulations in Gastro intestinal absorption.
2. Common issues of computer ethics in Research and Development.
3. Variables and confounding in optimization.
4. The role of Nucleoside transporters.
5. Robotics and its application in pharmacy.
6. Biowaiver considerations.
7. Applications of scientifically based QbD.
