

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

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2937

**M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACEUTICS - MPH
PAPER III – COMPUTER AIDED DRUG DELIVERY SYSTEM
*Q.P. Code : 262937***

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about ICH Q 8 guidelines.
2. What is modeling? Elaborate computational modeling of drug disposition.

II. Write notes on:

(7 x 5 = 35)

1. Descriptive and mechanistic modeling's.
2. Computer in market analysis.
3. Robotics and its application.
4. Bio wavier consideration.
5. Computer simulation in gastrointestinal absorption.
6. Role of nucleoside transporters in drug disposition.
7. Application of scientifically based QbD.
