

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

[LP 987]

NOVEMBER 2019

Sub. Code: 2987

**M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-VI – PHARMACOLOGY – MPL
PAPER III – PRINCIPLES OF DRUG DISCOVERY**

Q.P. Code : 262987

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about various computational prediction of Protein structure.
2. Explain in detail about 3D QSAR approaches.

II. Write notes on:

(7 x 5 = 35)

1. Target validation role of genomics.
2. Economics of drug discovery.
3. List out various QSAR statistical methods and explain any one.
4. Explain any two *in silico* Lead discovery technique.
5. Add a note on assay development for Hit identification.
6. Hansch Analysis.
7. Rationale of prodrug design.
