

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

[LP 943]

NOVEMBER 2019

Sub. Code: 2943

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
BRANCH II – PHARMACEUTICAL CHEMISTRY – MPC
PAPER III – ADVANCED MEDICINAL CHEMISTRY

Q.P. Code : 262943

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss elaborately about the stages of drug discovery, lead discovery, identification, validation and diversity of drug targets.
2. Discuss in details about the rational of prodrug design and practical considerations of prodrug design.

II. Write notes on:

(7 x 5 = 35)

1. Explain various strategies utilized to combat drug resistance in Antibiotic therapy.
2. Write a note on COX2 inhibitors.
3. Write a note on the medicinal chemistry aspects on Anticonvulsant drugs.
4. Write note on covalently binding enzyme inhibitors.
5. Briefly explain the chemistry of Prostaglandins.
6. Write the classical and non classical bio isosteric replacement strategies.
7. Write note on theories of drug receptor interaction.
