

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

[LO 977]

MAY 2019

Sub. Code: 2977

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-V – PHARMACY PRACTICE – MPP
PAPER III – CLINICAL PHARMACOKINETICS AND THERAPEUTIC
DRUG MONITORING

Q.P. Code : 262977

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain about the compartmental and Non compartmental Models.
b) Note on inhibition and induction of drug metabolism with examples.
2. a) Explain the effect of genetic polymorphism in drug transport and drug target.
b) Enumerate the factors should be considered while dosing obese and elderly patient.

II. Write notes on:

(7 x 5 = 35)

1. Discuss about the determination of dosing and dosing interval.
2. Brief about extra corporeal removal of drugs.
3. Brief about pharmacokinetic drug interactions with examples.
4. Discuss the adoptive dosing method.
5. Brief about covariant screening methods.
6. Discuss about therapeutic Drug monitoring of two antiepileptic drugs.
7. Write note on Nomogram and tabulation in designing of dosage regimen.
