

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

[MPHARM 0921]

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

Sub. Code: 2977

**M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACY PRACTICE - MPP
PAPER III – CLINICAL PHARMACOKINETICS AND THERAPEUTIC
DRUG MONITORING
*Q.P. Code : 262977***

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail the various pharmacokinetic drug interactions with suitable examples.
2. a) Explain the effect of genetic polymorphism in drug metabolism with example.
b) What is multiple dosing? Explain about calculation of loading and maintenance dose

II. Write notes on:

(7 x 5 = 35)

1. Note on base model and modelling random effects.
2. Brief about extra corporeal removal of drugs.
3. Brief about dosing in Geriatrics.
4. Note on conversion of intravenous to oral dosing.
5. Determination of dose, dosing interval.
6. Brief about covariant screening methods.
7. Write note on Nomo gram and tabulation in designing of dosage regimen.
