

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

[M.PHARM 0823]

**AUGUST 2023
(APRIL 2023 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. How will you determine the renal impairment in patients? Discuss the extracorporeal removal of drugs.
2. Explain the Pharmacogenetic and Non-genetic factors that influence the variations in Drug Therapy.

II. Write notes on:

(7 x 5 = 35)

1. Explain absorption based drug interactions with examples.
2. Explain the consequences of direct pharmacodynamic interaction with examples.
3. Discuss about the factors to be considered when designing dosage regimen.
4. Explain the dosing with feedback.
5. Explain Nonlinear mixed effect model.
6. Applications of clinical pharmacokinetics.
7. CYP2C19.
