

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

[LP 977]

NOVEMBER 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. Explain the indications and protocol for Therapeutic drug monitoring.
Add notes on TDM of drug used in cardiac and seizure disorders.
2. Discuss in detail the various pharmacokinetic drug interactions with suitable examples.

II. Write notes on:

(7 x 5 = 35)

1. Dosage adjustment in renal disease.
2. Analysis of population pharmacokinetic data.
3. Write notes on P-450 Isoenzymes.
4. How will you calculate the drug dose for neonates, infants and children?
5. Discuss about regional pharmacokinetics.
6. Differentiate Hemodialysis and Hemoperfusion.
7. How will you adjust the dose for uremic patients?
