

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

[LP 827]

OCTOBER 2019

Sub. Code: 3827

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)
EGREE EXAMINATION
(2009-2010 Regulation)
FIFTH YEAR**

**PAPER III – CLINICAL PHARMACOKINETICS &
PHARMACOTHERAPEUTIC DRUG MONITORING**

Q.P. Code : 383827

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Mention the indications of extracorporeal methods of drug removal. Explain hemodialysis and peritoneal dialysis.
2. Explain the steps to be followed in drug dosage adjustments in renal impairment.
3. a) What are the indications of therapeutic drug monitoring?
b) Explain the elements of protocol of therapeutic drug monitoring.
4. Discuss the estimation of hepatic dysfunction and dosing of drugs. Write a note on effect of hepatic disease on pharmacokinetics of drugs.

II. Write notes on:

(6 x 5 = 30)

1. Write a note on markers of GFR.
2. Define pharmacogenetics. Mention the goals and benefits of pharmacogenetics.
3. Define drug interactions. Explain pharmacokinetic drug interactions.
4. Explain therapeutic drug monitoring of digoxin.
5. Explain Bayesian theory. Mention its merits and demerits.
6. Write a note on nomograms and tabulations in designing dosage regimen.
