

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

[LM 827]

MAY 2018

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. Drug dosing in elderly and paediatrics.
2. Bayesian theory and its application in population pharmacokinetics.
3. Dosing of drugs in hepatic disease.
4. What is TDM? Write about indication and protocol for TDM.

II. Write notes on:

(6 x 5 = 30)

1. Methods to adjust dose for uremic patients.
2. Pharmacokinetics and pharmacogenetics relation.
3. Nonlinear mixed effect model.
4. Extracorporeal removal of drugs.
5. Determination of dose and dosing interval.
6. Drug regimen for individual dosage.
