

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

[PHARMD 1122]

**NOVEMBER 2022
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 3827

**PHARM 'D' AND PHARM 'D' (POST BACCALAUREATE) DEGREE
EXAMINATION
FIFTH YEAR (2009-2010 Regulation)
PAPER III – CLINICAL PHARMACOKINETICS AND
PHARMACOTHERAPEUTIC DRUG MONITORING
*Q.P. Code : 383827***

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Write down how the adjustments of dosing of drugs in the elderly and paediatrics patients with examples.
2. What are pharmacokinetic interactions? Explain the classification of pharmacokinetic interactions with examples.
3. Explain therapeutic drug monitoring with the indication and protocol and add a note on TDM of drug used in cardiac disorders.
4. Explain dosing with feedback procedure in population pharmacokinetics and also discuss in brief the methods adopted in the analysis of population pharmacokinetic data.

II. Write notes on:

(6 x 5 = 30)

1. Measurement of Glomerular Filtration rate and creatinine clearance.
2. Cytochrome P-450 Isoenzymes.
3. Drug regimen for Individual dosage.
4. Bayesian Theory.
5. Factors affecting drug absorption.
6. Physiological barriers for drug distribution.
