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

[PHARMD 1023]   OCTOBER 2023   Sub. Code: 3827

PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE EXAMINATION
FIFTH YEAR (2009-2010 Regulation)
PAPER III – CLINICAL PHARMACOKINETICS & PHARMACOTHERAPEUTIC DRUG MONITORING

Q.P. Code: 383827

Time : Three hours   Answer ALL Questions   Maximum : 70 Marks

I. Elaborate on: (4 x 10 = 40)

1. Explain extracorporeal methods of drug removal.
2. Explain the general approach and methods of drug dosage adjustments in renal function impairment.
3. Classify and explain pharmacokinetic drug-drug interactions with examples.
4. Explain therapeutic drug monitoring of theophylline.

II. Write notes on: (6 x 5 = 30)

1. Write a note on markers of GFR.
2. Describe briefly the genetic polymorphism in drug targets.
3. Define and explain the objectives of therapeutic drug monitoring.
4. Explain Bayesian theory with example. Mention its advantages and disadvantages.
5. Write a note on pharmacodynamic and pharmacokinetic correlations in drug therapy and its significance.
6. Explain various methods to convert a patient's serum creatinine to creatinine clearance.

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