

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

**[MPHARM 0122]**

**JANUARY 2022  
(APRIL 2021 EXAM SESSION)**

**Sub. Code: 2977**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER-II (PCI New regulations 2016)  
PHARMACY PRACTICE - MPP  
PAPER III – CLINICAL PHARMACOKINETICS AND THERAPEUTIC  
DRUG MONITORING  
*Q.P. Code : 262977***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Explain about the compartmental model. Discuss one compartment open model with Suitable examples.
2. Discuss about Pharmacokinetic Drug Interactions in detail.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Discuss about Pharmacometrics.
2. Protocol for TDM.
3. Calculation of Loading and Maintenance doses.
4. Brief about covariant screening methods.
5. Drug dosing in renal failure patients.
6. Biliary Excretion.
7. Simulation of dosing regimens.

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