

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

[LP 361]

OCTOBER 2019

Sub. Code: 2922

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER IV – CLINICAL PHARMACY**

Q.P. Code : 262922

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define therapeutic drug monitoring. Give examples for drugs requiring blood level monitoring with their therapeutic range. Explain sample collection, analytical goals and dosage adjustment in therapeutic drug monitoring.
2. What are compartment models? Explain one-compartment open model for a drug given by intravenous infusion.

II. Write notes on:

(10 x 6 = 60)

1. Patient history interview by a clinical pharmacist and its significance.
2. Systematic approach in answering drug information query.
3. Define, classify and explain Adverse Drug Reactions.
4. Various types of communication skills and barriers in effective communication.
5. Define renal clearance of drugs. What are the methods to estimate renal clearance of a drug?
6. Enumerate the differences between drug information centre and poison information centre.
7. Newsletters and their importance.
8. Pulmonary function tests and their significance.
9. Haematological tests and interpretation of results.
10. Ward round participation by a clinical pharmacist.
