

QP CODE: 213332

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
January 2020**

M.Pharm (Pharmacy Practice)

**Paper III: Clinical Pharmacokinetics and Therapeutic Drug monitoring
(MPP 203T)**

(2017 Scheme)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Define clinical pharmacokinetics and explain about compartmental and non-compartmental models
2. What is pharmacogenetics and write about genetic polymorphism in drug transport and drug targets.
3. Define therapeutic drug monitoring and correlate pharmacokinetic and pharmacodynamic in drug therapy

Short Notes

(9x5=45)

4. Multiple dosing.
5. Conversion from intravenous to oral dosing.
6. Induction of drug metabolism.
7. Bayesian theory.
8. Covariate screening methods.
9. Model validation.
10. Drug dosing in the elderly.
11. Drug dosing in the renal failure.
12. Therapeutic drug monitoring of drugs used in cardiovascular disease
