

QP CODE: 213332

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
October 2023**

**M.Pharm (Pharmacy Practice)
Paper III: Clinical Pharmacokinetics and Therapeutic Drug monitoring
(MPP 203T)
(Common for 2017 and 2019 Scheme)**

Time: 3 Hours

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Explain in detail pharmacokinetic drug interactions.
2. Explain compartmental and non-compartmental models in pharmacokinetic study.
3. Explain pharmacokinetic and pharmacodynamics correlation in drug therapy.

Short Notes

(9x5=45)

4. Drug dosing in the elderly.
5. Genetic polymorphism in drug metabolism.
6. Model building techniques.
7. Nomograms and tabulations in designing dosage regimen.
8. Adaptive method.
9. Model validation.
10. TDM of carbamazepine and lithium.
11. Drug dosing in the hepatic failure.
12. Simulation of dosing regimens and dosing recommendations.
