

QP CODE: 213332

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
December 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 determination of dose and dosing intervals.
2. Explain genetic polymorphism in drug transport and drug targets.
3. Explain calculation of loading and maintenance doses in clinical pharmacokinetics.

Short Notes

(9x5=45)

4. Drug dosing in the pregnancy.
5. TDM of digoxin and amitriptyline.
6. Drug dosing in the renal failure.
7. Covariate screening methods.
8. Precision of the parameters estimate and confidence interval.
9. Analysis of population pharmacokinetic data.
10. Inhibition of biliary excretion.
11. Pharmacometric software.
12. Bayesian theory.
