

Q.P. Code: 203340

Reg. no.:

**Second Pharm D Post Baccalaureate Degree Supplementary
Examinations January 2026**

Paper III - Clinical Pharmacokinetics and Pharmacotherapeutic Drug Monitoring

Time: 3 Hours

Total Marks: 70

- *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. Write in detail about altered pharmacokinetics in hepatic failure.
2. Write in detail about pharmacokinetic drug interactions.
3. Define pharmacogenetics and explain in detail about the genetic polymorphism in drug metabolism.

Short notes:

(8x5=40)

4. Factors to be considered for individualizing the dosage regimen.
5. Altered pharmacokinetics in paediatrics.
6. Write a note on protocol for TDM.
7. Write a note on pharmacogenetics.
8. What is meant by extracorporeal removal of drugs.
9. Write about Bayesian theory and its applications.
10. Write various methods for conversion of intravenous dose to oral dose with examples.
11. Describe the therapeutic drug monitoring procedure for phenytoin.
