

Q.P. Code: 203340

Reg. no.:

Second Pharm D Post Baccalaureate Degree Regular/Supplementary Examinations July 2025

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. Discuss about genetic polymorphism in drug transport and drug targets.
2. Write a note on dosage adjustment in hepatic disease patients.
3. Write the procedure to conduct therapeutic drug monitoring of digoxin.

Short notes:

(8x5=40)

4. Procedure to calculate creatinine clearance
5. Pharmacokinetic and pharmacodynamic correlation
6. Write a note on dosing in obese patients.
7. What is meant by renal impairment.
8. Give the dosage adjustment for uremic patients.
9. Write a note on pharmacokinetic drug interactions with suitable examples.
10. Write a note on factors to be considered during individualization of drug dosage regimens.
11. Write about biliary excretion of drugs and the consequences of its inhibition.
