

Q.P. Code: 203340

Reg. no.:

Second Pharm D Post Baccalaureate Degree Examinations June 2017

Paper III - Clinical Pharmacokinetics and Pharmacotherapeutic Drug Monitoring

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Define TDM. Describe a typical protocol for TDM of a drug. Explain the TDM of any one drug.
2. Define pharmacokinetic drug interactions by providing suitable examples. Add a note on how they influence ADME of a drug
3. Define population pharmacokinetic data. Explain in detail the methods adopted for analyzing such data

Short notes:

(8x5=40)

4. Explain in detail the principles and dosage adjustments in elderly patients
5. Explain in detail bayesian theory
6. Explain the role of genetic polymorphism in drug metabolism with examples
7. Importance of liver enzymes in drug interactions with examples
8. Pharmacokinetic and pharmacodynamic correlations in drug therapy
9. Define and write the various applications of nomograms
10. Dosage adjustment in renal disease
11. Explain in detail about peritoneal dialysis
