

Q.P. Code: 203340

Reg. no.:

Second Pharm D Post Baccalaureate Degree Supplementary Examinations,
February 2016

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. Discuss the various elements of protocol of therapeutic drug monitoring
2. Explain pharmacokinetic changes and general approaches for drug dosage adjustment in renal impairment
3. Explain the main categories of pharmacokinetic drug interactions.

Short notes:

(8x5=40)

4. Mention ideal characteristics of markers of glomerular filtration rate. Add a note on various endogenous markers
5. Bayesian theory
6. Pharmacokinetic changes and pharmacotherapy considerations in elderly patients
7. Genetic polymorphism in drug transport and drug targets
8. Explain the types of intravenous to oral therapy conversions and mention its significance.
9. Various methods of drug dosage adjustments in pediatrics
10. Define and explain the applications of clinical pharmacokinetic principles
11. Effects of liver diseases on pharmacokinetics.
