

Q.P. Code: 203340

Reg. no.:

Second Pharm D Post Baccalaureate Degree Examinations, June 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. Enumerate the various factors that lead for individualization of a dosage regimen.
2. Explain the altered pharmacokinetics in renal failure.
3. Explain in detail about the protocol for therapeutic drug monitoring.

Short notes:

(8x5=40)

4. Explain the mechanism of drug interactions.
5. Explain genetic polymorphism in drug metabolism with suitable examples.
6. How to assess hepatic failure in patients.
7. Explain bayesian theory.
8. Explain the therapeutic drug monitoring procedure for phenytoin.
9. How to convert intravenous dosing to oral dosing.
10. Altered pharmacokinetics in geriatric patients.
11. Pharmacokinetic and pharmacodynamic correlation in drug therapy.
