

Q.P. Code: 203340

Reg. no.:

Second Pharm D Post Baccalaureate Degree Examinations, August 2015

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 therapeutic drug monitoring. Mention examples for any five drugs requiring therapeutic drug monitoring with their therapeutic ranges. Discuss the indications and analytical goals of therapeutic drug monitoring.
2. Discuss various methods of extracorporeal removal of drugs
3. Explain the clinical implications of hepatic enzyme inhibition and induction

Short notes:

(8x5=40)

4. Explain pharmacokinetic considerations in renal impairment
5. Various markers of glomerular filtration rate
6. Mention the therapeutic range of theophylline and clinical symptoms of its toxicity.
Add a note on analytical aspects of therapeutic drug monitoring of theophylline
7. Population pharmacokinetics and its importance
8. Pharmacokinetic changes in hepatic diseases
9. Dosing of drugs in obese patients
10. What are drug displacement interactions and mention examples
11. Explain dosing with feed back.
