

Q.P. Code: 503326

Reg. no.:

Fifth Year Pharm D Degree Examinations, August 2015

Clinical Pharmacokinetics and pharmacotherapeutic Drug Monitoring

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Discuss about altered pharmacokinetics in pediatrics.
2. Explain genetic polymorphism and give a detailed note on factors for individualizing regimen dosage
3. Explain pharmacokinetic parameters in drug- drug interaction.

Short notes:

(8x5=40)

4. Population pharmacokinetics using NONMEM.
5. Therapeutic drug monitoring of phenytoin
6. .Role of pharmacokinetics in drug Interactions
7. Pharmacokinetics variations in renal failure patients
8. Explain BAYESIAN theory
9. Dosage adjustment in hepatic Disease
10. Pharmacokinetic consideration in drug metabolism
11. TDM of valproate
