

Q.P. Code: 503326

Reg. no.:

**Fifth Year Pharm D Degree Supplementary Examinations
December 2017**

Clinical Pharmacokinetics and pharmacotherapeutic Drug Monitoring

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Explain therapeutic drug monitoring for lithium, theophylline and cyclosporine.
2. Explain pharmacokinetic interactions with example.
3. Explain Bayesian theory for population pharmacokinetics.

Short notes:

(8x5=40)

4. Measurement of creatinine clearance
5. Drug dosing in pediatric patients
6. Genetic polymorphism of cytochrome P-450 isoenzymes
7. Factors effecting individualization.
8. Tabulations in designing of regimen.
9. Pharmacokinetic role in hepatic dose adjustment.
10. Inhibition of biliary excretion
11. Dosing with feed back
