

**Q.P. Code: 503326**

**Reg. no.: .....**

**Fifth Year Pharm D Degree Examinations June 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 general approaches for dosage adjustment in renal and hepatic disease.
2. Explain direct and indirect link models for pharmacokinetic and pharmacodynamics correlation.
3. Explain individualization of drug dosage regimen.

**Short notes:**

**(8x5=40)**

4. Drug inhibition
5. Extracorporeal removal of drugs
6. Drug dosing elderly patients
7. TDM for phenytoin
8. Genetic polymorphism for drug targets
9. Determination of dose and dosing interval
10. Adaptive method
11. Nomograms

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