

**Q.P. Code: 503326**

**Reg. No.: .....**

**Fifth Year Pharm D Degree Supplementary Examinations  
December 2019**

**Clinical Pharmacokinetics and Pharmacotherapeutic Drug Monitoring**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(3x10=30)**

1. Enlist different indications for therapeutic drug monitoring and explain general protocol for TDM.
2. Explain genetic polymorphism in drug metabolism
3. Explain role of nomograms and tabulation in designing the dosage regimen.

**Short notes:**

**(8x5=40)**

4. Drug induction
5. Dosage adjustment in uremic patients
6. Drug dosing obese patients
7. Population pharmacokinetics
8. Genetic polymorphism for drug transport
9. Determination of creatinine clearance
10. Pharmacokinetic interaction
11. Conversion of intravenous to oral dosing

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