

Q.P. Code: 405326

Reg. no.:

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

Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(3x10=30)

1. Explain the factors affecting drug distribution.
2. Explain the kinetics of two compartment open model i.v bolus administration
3. Explain mechanisms of drug absorption

Short notes:

(8x5=40)

4. Explain mammillary compartment models with suitable illustration.
5. Explain cross-over design used in bioequivalence study.
6. Describe enterohepatic cycling.
7. Explain the tissue binding of drugs.
8. Explain the concept of clearance
9. Describe non compartmental method of drug analysis"
10. Explain physiologic models of pharmacokinetics.
11. Explain the factors affecting gastric emptying
