

Q.P. Code: 106340

Reg. no.:

**First Pharm D Post Baccalaureate Degree Supplementary
Examinations December 2019**

Paper VI – Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(3x10=30)

1. Explain physico chemical and patient related factors affecting drug distribution
2. Discuss in detail about two compartment open model i.v. bolus administration
3. Describe in detail about determination of urinary kinetics.

Short notes:

(8x5=40)

4. Displacement interaction.
5. Comparison between plasma protein and tissue drug binding
6. Importance of compartment model
7. Factors affecting bioavailability
8. Hepatic extraction ratio
9. Statistical moment theory
10. Factors causing non-linearity
11. Discuss the factors affecting biotransformation
