

Q.P. Code: 106340

Reg. no.:

**First Pharm D Post Baccalaureate Degree Supplementary
Examinations, January 2018**

Paper VI – Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Discuss in detail about various factors influencing drug absorption
2. Describe in detail about nonlinear pharmacokinetics.
3. Describe the one compartment open model pharmacokinetics for oral administration

Short notes:

(8x5=40)

4. Discuss the volume of distribution
5. Hepatic clearance
6. Zero order rate constant
7. Discuss the non-renal excretion of drugs.
8. Mean residence time
9. Gastric emptying rate
10. Application of compartment model
11. Multiple dose regimen
