

Q.P. Code: 405326

Reg. no.:

Fourth Year Pharm D Degree Examinations, August 2015

Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Discuss in detail about one compartment open model i.v bolus administration
2. Discuss the principle that governs the renal excretion of drugs
3. Explain the bioavailability study protocol in detail .

Short notes:

(8x5=40)

4. Volume of distribution
5. Mechanism of drug absorption
6. Determination of absorption rate constant
7. Graphical methods used for the computation of K_m and V_{max}
8. Area under the curve
9. Factors influencing gastric emptying rate
10. Mean residence time
11. Various types of excretion
