

Q.P. Code: 106340

Reg. no.:

**First Pharm D Post Baccalaureate Degree Supplementary
Examinations July 2022**

Paper VI – Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(3x10=30)

1. Discuss about one compartment open model for IV bolus administration
2. Discuss about various physiological barrier for drug distribution
3. Explain the various mechanism of drug absorption

Short notes:

(8x5=40)

4. Impact of polymorphism on drug absorption
5. Explain the pharmacodynamic parameters from Plasma concentration time curve
6. Briefly write about IVIVC
7. Write a note on Physiological Models
8. Describe the importance of Biliary clearance of drugs
9. Discuss the Significance of proteins / tissue binding of drugs
10. What are the non-renal routes of drug excretion
11. What are the causes of non-linearity
