

Q.P. Code: 405326

Reg. no.:

**Fourth Year Pharm D Degree Supplementary Examinations
January 2023**

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 pharmaceutical factors affecting drug absorption.
2. Explain the various bioequivalence studies.
3. Discuss about one compartment open model for extra vascular (First order) administration.

Short notes:

(8x5=40)

4. Discuss about factors affecting biotransformation.
5. Dose size and dosing frequency.
6. Mention the various drug dissolution methods.
7. Discuss about the objectives of bioavailability studies.
8. Discuss the binding of drugs with globulins.
9. Non-renal route of drug excretion.
10. Discuss about the Dose adjustment to renal failure patients.
11. Impact of first pass metabolism on administration of drugs through oral route.
