

**Q.P. Code: 106340**

**Reg. no.: .....**

**First Pharm D Post Baccalaureate Degree Examinations, July 2017**

**Paper VI – Biopharmaceutics & Pharmacokinetics**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(3x10=30)**

1. Describe in detail about chemical pathway of drug biotransformation
2. Discuss in detail about bioavailability study protocol
3. methods of assessment of Bioavailability

**Short notes:**

**(8x5=40)**

4. Concept of clearance
5. gastric emptying
6. Determination of non-linearity
7. Area under the first movement curve
8. Importance of plasma level-time curve
9. Explain the factors affecting protein binding
10. Mechanism of drug absorption
11. Volume of distribution

\*\*\*\*\*