

B.Pharm. Fifth Semester (Old Course)

35166 : Biopharmaceutics - I : T-5.6

P. Pages : 1

Time : Three Hours

**AW - 2312**

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Discuss various barriers to distribution of drugs in details. **12**
2. a) Discuss the structure of biologic membranes with the help of neat diagram. **6**
b) Define drug absorption, classify the mechanisms of drug transport. **6**
3. Describe the dosage form factors affecting GI absorption of drugs. **12**
4. Enlist various methods of enhancement of Bioavailability & discuss any two methods in details. **12**
5. Explain pharmacokinetic methods for measurement of bioavailability. **12**
6. Discuss renal excretion of drugs with a note on renal clearance. **12**
7. Write notes on **any two**. **12**
 - a) Inhibition of drug metabolism.
 - b) GI motility & drug absorption.
 - c) Bioequivalence studies.
 - d) Role of protein binding in drug distribution.
