

B. Pharm. Fifth Semester
35166 : Biopharmaceutics : T-5.6

P. Pages : 1

Time : Three Hours



AU - 0681

Max. Marks : 60

- Notes : 1. All question carry equal marks.
 2. Answer **any five** questions.

- | | | |
|----|---|----|
| 1. | Describe physicochemical properties of drug affecting its absorption. | 12 |
| 2. | Discuss various phase-I reactions with examples. | 12 |
| 3. | a) Which are the different factors affecting distribution of drugs. | 6 |
| | b) What do you mean plasma protein- drug binding? | 6 |
| 4. | a) Explain renal excretion with diagram. | 6 |
| | b) Discuss different physiological barriers for drug distribution. | 6 |
| 5. | Explain pharmacokinetic methods for measurement of bioavailability. | 12 |
| 6. | a) Write in detail about bioequivalence study. | 6 |
| | b) Enlist phase II reactions. Explain any two reactions in detail. | 6 |
| 7. | Write short notes on any two . | 12 |
| | a) Tissue protein drug binding. | |
| | b) Clearance. | |
| | c) Volume of distribution (Vd) | |
| | d) Define. | |
| | i) Absorption. | |
| | ii) Bioavailability. | |
| | iii) Pharmacokinetics. | |
| | iv) Elimination. | |
