

R07

Code No: R7602

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

IV Year B. Pharmacy I Semester Examinations, December 2011

BIOPHARMACEUTICS AND PHARMACOKINETICS

Time: 3 hours

Max. Marks: 80

**Answer any five questions
All questions carry equal marks**

1. Explain the role of pharmacokinetics in formulation development and clinical setting. [16]
2. Describe the absorption mechanisms of drugs. [16]
3. Explain the mechanisms of drug distribution. [16]
4. Describe drug-protein binding. [16]
5. Explain the significance of plasma drug concentration measurement. [16]
6. Describe the clinical pharmacokinetics in renal and hepatic failures. [16]
7. Explain the terms bioavailability and bioequivalence? How do we measure bioavailability, C-max, T-max and area under the curve (AUC) in a pharmacokinetic modeling? [16]
8. Describe Bioavailability testing protocol and procedures. [16]

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