

Code No: B3203/R10

Set No.1

III B.Pharmacy II Semester Supplementary Examinations, April 2017
BIOPHARMACEUTICS AND PHARMACOKINETICS

Time: 3 hours

Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks

1. Write a note on methods for analysis of pharmacokinetic data. [15]
2. Write a note on.
 - (a) phases of drug transfer from GI absorption site into systemic circulation.
 - (b) Vesicular transport. [8+7]
3. (a) Write briefly about the Distribution and Drug in the body? [8]
(b) Explain some factors affecting the distribution of drug? [7]
4. How the Principles of Protein – Drug binding can be used for Drug targeting. [15]
5. Assume that the drug follows one compartment model and 1st order kinetics [15]
6. What are the important Pharmacokinetics interactions affecting absorption and distribution. Explain with suitable examples. [15]
7. How C_{max} , T_{max} & AUC use measured from a plasma level time data, give relevant equations. Explain the importance of C_{max} , T_{max} & bioavailability. [15]
8. (a) Explain the design of single dose bioequivalence study.
(b) What are the difficulties encountered in using patients as subjects in bioavailability study? Why a washout period has to be given in bioavailability study? [8+7]
