

**Subject Code: CEU11**

**M. Pharmacy- I Semester [R09] Regular/Supplementary Examinations, April -2013**

**BIO-PHARMACEUTICS & PHARMACOKINETICS**

(Comm to Pharmaceutics and Pharmaceutical Technology)

**Time: 3 Hours**

**Max Marks: 60**

**Answer any Five Questions  
All Questions carry equal marks**

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1. Write the different physicochemical properties affect the bioavailability.
2. How formulation factors affect the bioavailability of tablets and capsules.
3. Write briefly on
  - a. Determination of AUC.
  - b. Bioavailability assessment.
4. Derive the equation of elimination rate constant and half life by single dose oral administration.
5. What is meant by non-linear pharmacokinetics and derive equation of Michaelis-Menton kinetics.
6. Write the factors affecting the drug metabolism.
7. Write the alternative kinetics in GI disease, liver and renal disease.
8. Write the different types of interaction , mechanism of interactions and their consequences.

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