Q.	Q.P. Code: 106340 Re	eg. no.:
First Pharm D Post Baccalaureate Degree Examinations, September 2013		
Paper VI – Biopharmaceutics & Pharmacokinetics		
Tiı	ime: 3 Hours  • Answer all questions • Draw diagrams wherever necess	Total Marks: 70
	issay: . Explain passive diffusion and active transport mechanism	(3x10=30) as of drug absorption.
2.	. Explain plasma concentration-time profile of a drug with a pharmacokinetic and pharmacodynamic parameters.	a neat illustration and explain
<ul><li>3. Explain one compartment open model for IV bolus administration.</li><li>Short notes: (8x5=40)</li></ul>		
4.	. Explain first pass metabolism.	
5.	. Discuss on the binding sites of human serum albumin.	
6.	. Discuss about dosage adjustment in renal failure.	
7.	. Define pharmacokinetic models and mention their uses.	
8.	. Explain the causes of non-linearity in pharmacokinetics.	
9.	. Explain the concept of clearance.	
10. Describe enterohepatic cycling and its impact on pharmacokinetics.		

11. Describe non compartmental analysis of pharmacokinetics.