Fourth Year Pharm. D. Examination

BIOPHARMACEUTICS AND PHARMACOKINETICS

Paper - 4.5 (USC - 35131)

P. Pages: 2 Time: Three Hours] [Max. Marks: 70		
1.	Define bioavailability. Explain various methods used for bioavailability.	determination of 15
2.	Explain the various models of pharmacokinetic analysis.	11
3.	Define drug absorption. Discuss the various factors influencing a drug.	GI absorption of
4.	Discuss process of glomerular filtration, active secretion and pas	ssive reabsorption.
5.	Discuss the two compartment open model after intra - venous	s administration.

(a) Write a note on plasma protein bindings.

(b) Explain PH partition theory and it's modifications.

P.T.O.

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6.

7. (a) Explain in brief about Michaelis Menton equation.

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(b) Explain physiological barrier to drug distribution.

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- 8. Write a note on :--
 - (a) Wagner Nelson method.
 - (b) Factors affecting renal excretion.

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9. What are the major parameters studied in the urinary excretion data? Add a note on apparent volume of distribution.



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