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School of Medical and Allied Sciences

Master of Pharmacy in Pharmaceutics

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 30

Sem II - MPH202T - Advanced Biopharmaceutics and PharmacokineticsGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) What do you mean by the term Biopharmaceutics? K1 (2)
 - 2) Outline on the term phagocytosis. K2 (2)
 - 3) Summarize the experimental designs for bioequivalence studies. K2 (2)
 - 4) Define the term absorption. K1 (2)
 - 5) Extend a note on IVIVC. K2 (2)
 - 6) Develop a note on disintegration time of drug moieties. K3 (5)

 - 7) Simplify the term nature, particle size and solubility phenomenon of drug. K4 (5)
- OR**
- Simplify the different pathways of drug biotransformation. K4 (5)
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- 8) Appraise the term Ionization and Passive diffusion with detailed expression of Fick's law of diffusion. K5 (10)
- OR**
- Appraise the various patient related factors which affects the drug absorption. K5 (10)