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(2125)

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B. Pharmacy 7th Semester Examination
Biopharmaceutics and Pharmacokinetics (NS)
BP-474

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt two questions from Section A, eight from section B and Section C is compulsory

SECTION - A

Attempt any two.

1. What happens to a drug after it is absorbed? Write an exhaustive note on hepatic clearance.
2. Discuss various methods to determine AUC.
3. What is plasma protein binding? Discuss the kinetics of plasma protein binding. (10×2=20)

SECTION - B

Write notes on any eight.

4. Facilitated diffusion.
5. Apparent volume of distribution.
6. Extra hepatic circulation.
7. Compartment models.

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8. Bioavailability and its types.
9. Michaelis - Menten equation.
10. Method of Residuals.
11. Hindrance to drug absorption.
12. Drug - drug interactions. (5×8=40)

SECTION - C

Briefly comment on the following. All questions are compulsory.

13. Therapeutic window.
14. Zero order absorption rate.
15. Trapezoidal method.
16. Bioequivalency.
17. Biliary Excretion. (2×5=10)