

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
PARUL INSTITUTE OF PHARMACY

PHARM.D. 4th YEAR & PB 1st YEAR · FIRST INTERNAL EXAMINATION: 2018-19

Subject Name: Biopharmaceutics & Pharmacokinetics

Subject Code: 08207405

Time: 10:00 am - 11:30 am

Date: 09/10/18

Total Marks: 30

Instructions:

1. Make suitable assumptions wherever necessary.
2. Figures to the right indicate full marks.

I Long Essay (Answer Any One) 10 X 1 = 10M

1. Enlist various factors affecting drug absorption. Explain any three in detail.
2. Enlist Factors affecting distribution of drugs and Explain any three in detail

II Short Essay (Answer Any Two) 5 X 2 = 10M

1. Write a short note on theories of drug dissolution.
2. Write a short note on Volume of distribution.
3. Explain Binding of drugs to plasma protein.

III Short Answers (Answer All) 2 X 5 = 10M

1. What is sink condition? Explain in brief.
2. How can the principal of binding to be used for targeting.
3. Give comparison between plasma protein drug binding and tissue drug binding.
4. Define Pharmacokinetics and Pore transport.
5. Draw a detailed plasma drug concentration time profile.

******* BEST OF LUCK *******