

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
PARUL INSTITUTE OF PHARMACY

PHARM.D. 5th YEAR · FIRST INTERNAL EXAMINATION: 2018-19

Subject Name: Clinical pharmacokinetics and Pharmacotherapeutic Drug Monitoring
Subject Code: 08207503
Time: 10:00-11:30AM

Date: 10/10/18
Total Marks: 30

Instructions:

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

I Long Essay (Answer Any One)

10 X 1 = 10M

1. Write a detailed note on Analysis of Population pharmacokinetic Data
2. Explain the different pharmacodynamic parameters with the plasma-time profile graph.

II Short Essay (Answer Any Two)

5 X 2 = 10M

1. Explain Adaptive method or dosing with feed back
2. Describe Bayesian Theory
3. Write the different pharmacokinetic parameters and explain each.

III Short Answers (Answer All)

2 X 5 = 10M

1. Define Volume of distribution
2. Define population pharmacokinetics
3. Explain NONMEM.
4. What is STS method?
5. What are fixed factors and random factors?

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