

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D(P.B), May – 2018 Examination

Year: 2**Subject Code: 08207503****Subject Name: Clinical Pharmacokinetics and Pharmacotherapeutic
Drug Monitoring****Date: 11/05/2018****Time: 10:00 am to 1:00 pm****Total Marks: 70****Instructions**

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

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Write protocol for TDM of drug. Explain TDM of Cyclosporine
2. What is extracorporeal removal of drugs? Explain any two methods.
3. General approaches and step wise calculation for dosage adjustment in renal impaired patients.

Q.2 Short Essay (Answer Any 4) (20)

1. Write about dosing of drugs in the obese patient
2. Introduction to Bayesian Theory.
3. Give a note on Selection of patient and General Consideration for conversion from IV to Oral.
4. Write about genetic polymorphism in Drug Target.
5. Discuss effect of hepatic disease on pharmacokinetics.

Q.3 Short Answers (Answer All) (20)

1. Define Pharmacogenetics
2. Pediatric Dosage calculation formula based on Weight.
3. Measurement of GFR.
4. Explain uniqueness of vancomycin based dosage, with example.
5. What is NONMEM?
6. General principles and goals of prescribing in Geriatrics (any eight).
7. Give any four examples of drugs known to be teratogenic.
8. What are the factors influencing individualization of drug dosage regimen.
9. List the factors influencing dialyzability of Drug.
10. Dosing in obese patient is important. Why?