

# Sample question paper

## A. Very Short Questions

1. Give the definition of TDM.
2. Write the goals of TDM.
3. List the objectives of TDM.
4. Write about dosage regimen.
5. Define Inter Subject variability
6. Discuss about regional pharmacokinetics?
7. Differentiate Hemodialysis and Hemoperfusion?
8. Explain absorption based drug interactions with examples?
9. Write a note on genetic polymorphism in drug metabolism?
10. How will you calculate the drug dose for neonates?

## B. Short Questions

1. Write about the indications for TDM.
2. Discuss the protocol for TDM.
3. Discuss adaptive method or dosing with feedback.
4. TDM of seizure drugs
5. Describe the measurement of Creatinine clearance.
6. Explain therapeutic drug monitoring of digoxin.
7. Define pharmacogenetics. Mention the goals and benefits of pharmacogenetics.
8. Extracorporeal removal of drugs
9. Conversion of intravenous to oral dosing.

## c. Long Questions

1. Write about the individualization of drug dosage regimen.
2. Discuss the analysis of population pharmacokinetic data.
3. Explain about the genetic polymorphism in drug metabolism of CYP-450 enzymes
4. Drug dosing in Pediatrics and Elderly patients.
5. Describe about adaptive method in population pharmacokinetics