

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**Pharm.D DEGREE EXAMINATION - February 2020
Fifth Year**

**CLINICAL PHARMACOKINETICS AND
PHARMACOTHERAPEUTIC DRUG MONITORING**

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Write in detail about inhibition and induction of Drug metabolism.
2. What is meant by Pharmacokinetic and Pharmacodynamic correlation in drug therapy?
3. Define pharmacogenetics and explain in detail about the genetic polymorphism in Drug metabolism?

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Write a short note on Conversion from intravenous to oral dosing.
5. Write about pharmacokinetic drug interactions.
6. What is meant by Therapeutic Drug Monitoring?
7. How will you approach dosage adjustment in renal disease?
8. What is meant by extracorporeal removal of drugs?
9. Write a note on TDM of drugs used in the seizure disorders?
10. Write a note on biliary excretion and its inhibition.
11. How will you determine the drug dosage in elderly patients?

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Define Nomograms.
13. What is meant by Drug interaction?
14. Give the protocol for TDM.
15. Define Bayesian Theory.
16. What is meant by creatinine clearance?
17. Define drug targets.
