

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

**Pharm.D DEGREE EXAMINATION - July 2019  
Fifth Year**

**CLINICAL PHARMACOKINETICS AND  
PHARMACOTHERAPEUTICS DRUG MONITORING**

Time: Three hours

Maximum: 70 marks

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

1. Explain in detail about pharmacokinetic drug interactions?
2. Write a note on dosage adjustment in Hepatic disease patients?
3. Discuss about genetic polymorphism in drug transport and drug targets?

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

4. Write a note on dosing in obese patients?
5. Write about inhibitions of Biliary excretion?
6. Give in detail about drug dosage regimen based on age and weight?
7. Write note on protocol for TDM?
8. What is meant by renal impairment?
9. Give the dosage adjustment for uremic patients?
10. What is meant by population pharmacokinetic data?
11. Write a note on Pharmacogenetics?

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

12. Define clinical Pharmacokinetics?
13. What is meant by auto inhibition? Give one example.
14. What is meant by dosing with feedback?
15. Define drug interactions?
16. What is meant by organ transplantations?
17. Define drug metabolism.

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