

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**M.PHARM. DEGREE EXAMINATION – December 2018
Second Semester**

BRANCH : PHARMACY PRACTICE

**CLINICAL PHARMACOKINETICS AND THERAPEUTICS DRUG
MONITORING**

Time : Three hours

Maximum: 75 marks

**(Draw neat labeled diagrams wherever necessary
your answer should be specific to the questions asked)**

SECTION –A

I. Answer any **THREE** questions: **(3 x 15 = 45)**

1. Give some examples of pharmacokinetic interaction along with their mechanism.
2. Define bioavailability. Explain in detail about estimation of bioavailability of drugs.
3. Define altered pharmacokinetics. Give possible reasons for altered pharmacokinetics in paediatrics.
4. What is Therapeutic Drug Monitoring? Write in detail about Therapeutic Drug Monitoring of antibiotics.

SECTION –B

II. Answer any **THREE** questions: **(3 x 10 = 30)**

5. Discuss the designing of dosage regimens for individual patients.
6. Explain in detail about genetic polymorphism in drug metabolism.
7. Write a note on altered pharmacokinetic in the hepatic failure patients.
8. Explain in detail about organ clearance.
