

Q.P. Code: 503326

Reg. No.:

Fifth Year Pharm D Degree Supplementary Examinations May 2021

Clinical Pharmacokinetics and Pharmacotherapeutic Drug Monitoring

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(3x10=30)

1. Explain in detail about mechanism of drug interactions with suitable examples.
2. Discuss on altered pharmacokinetics in pediatrics.
3. Explain in detail about the pharmacokinetic variations in renal failure and method of assessing the degree of failure and adjusting the dosage regimens.

Short notes:

(8x5=40)

4. Explain the methods of extracorporeal removal of drugs.
5. Give five important applications of pharmacokinetic in a clinical setting.
6. Explain the limitations of TDM.
7. Explain effect of Hepatic disease on Pharmacokinetics
8. Explain the objectives and indications for TDM.
9. Explain the role of pharmacogenetics in drug metabolism.
10. Dosing with feed back.
11. Altered pharmacokinetics in geriatrics
