

[LD 827]

OCTOBER 2013

Sub. Code: 3827

DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**DEGREE EXAMINATION****FIFTH YEAR****PAPER III – CLINICAL PHARMACOKINETICS AND****PHARMACOTHERAPEUTIC DRUG MONITORING***Q.P. Code: 383827***Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. Write down the dosing of drugs in the elderly and pediatrics and obese patients with examples.
2. Explain Therapeutic drug monitoring.
Write about indication and protocol for TDM.
Add notes on TDM of drug used in cardiac and seizure disorders.

II. Write notes on:**(10 x 3 = 30)**

1. Write about shifting of Intravenous dose to Oral dose.
2. Dosage adjustment in Renal disease.
3. Pharmacokinetic drug interaction.
4. Analysis of population pharmacokinetic data.
5. Inhibition and induction of drug metabolism.
6. Discuss the extracorporeal removal of drugs.
7. What is genetic polymorphism? Write notes on P-450 Isoenzymes.
8. What is individualization of drug dosage regimen?
9. Bayesian theory of adaptive method.
10. Measurement of Glomerular filtration rate and creatinine clearance.
