

[LK 827]

MAY 2017

Sub. Code: 3827

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)
EGREE EXAMINATION
(2009-2010 Regulation)
FIFTH YEAR
PAPER III – CLINICAL PHARMACOKINETICS &
PHARMACOTHERAPEUTIC DRUG MONITORING**

*Q.P. Code : 383827***Time : Three hours****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. Bayesian theory and its applications in population pharmacokinetics.
2. Discuss pharmacokinetic drug interactions with examples.
3. Dose adjustment in renal disease.
4. TDM of drugs related to cardiovascular, seizure, psychiatric and organ transplantations.

II. Write notes on:**(6 x 5 = 30)**

1. Application of clinical pharmacokinetics.
2. Dosing in obese patients.
3. PK/PD correlation in drug therapy.
4. P-Glycoprotein and Multidrug resistance.
5. Genetic polymorphism in drug metabolism.
6. Regional Pharmacokinetics.
