

[LI 823]

APRIL 2016

Sub. Code: 3823

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)
DEGREE EXAMINATION
(2009-2010 Regulation)
FOURTH YEAR
PAPER V – BIOPHARMACEUTICS AND PHARMACOKINETICS**

Q.P. Code: 383823

Time : Three hours

Maximum : 70 Marks

I. Elaborate on :

(4 x 10 = 40)

1. Explain briefly Michaelis – menton method for estimation of K_m and V_{max} .
2. Define excretion and explain briefly about Renal excretion of drugs.
3. Physiological barriers to distribution of Drugs.
4. Write briefly about Invivo – Invitro correlations and BCS classification.

II. Write notes on :

(6 x 5 = 30)

1. Renal impairment and creatinine clearance.
2. Write a note on statistical moment theory.
3. Short notes on bioavailability protocol.
4. Write the concept and types of clearance.
5. Discuss Latin square design in Bioequivalent study.
6. What are the formulation factors that affect drug absorption?
