

[LJ 823]

OCTOBER 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 mechanism of drug absorption in G.I.T.
2. Discuss the two compartment open model Intra Venous administration.
3. Define Bioavailability. Explain various methods used for determination of Bioavailability.
4. Explain the various models of Pharmacokinetic analysis.

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

1. What are the objectives and approaches in developing in vitro-in vivo correlation?
2. Causes of non-linearity with example.
3. Limitations of multi compartmental analysis.
4. Discuss the importance of salivary excretion of drugs.
5. Discuss in detail regulatory requirements for bioavailability study.
6. What are the factors affecting drug dissolution?
