

[LF 342]

OCTOBER 2014

Sub. Code: 2903

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH I – PHARMACEUTICS
PAPER III – BIOPHARMACEUTICS AND PHARMACOKINETICS**

Q.P. Code : 262903

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Biotransformation of drugs. Explain phase II reactions.
2. a) Explain the methods of adjusting the dose and dosage regimen in patients with Renal and Hepatic diseases.
b) Describe Pharmacodynamic parameters.

II. Write notes on:

(10 x 6 = 60)

1. Topical administration of drugs.
2. Factors affecting distribution of drugs.
3. Hydrolytic reactions.
4. Renal excretion of drugs.
5. Causes of non-linearity.
6. *Invitro invitro* correlation
7. Dosing of drugs in neonates, infants and children.
8. Mechanism of drug interactions.
9. Non compartment method.
10. Volume of distribution
