

[LC 342]

APRIL 2013

Sub. Code: 2903

M.PHARM. DEGREE EXAMS

FIRST YEAR

BRANCH I – PHARMACEUTICS

PAPER III – BIOPHARMACEUTICS AND PHARMACOKINETICS

Q.P. Code : 262903

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Define Biotransformation of drugs. Explain Phase I reactions and the factors affecting Biotransformation.
2. What is Relative Bioavailability? Describe the protocols of Bioequivalence study.

II. Write notes on :

(10x6=60)

1. Drug related factors in absorption.
2. Factors affecting distribution of drugs.
3. Oxidation of Carbon-Nitrogen system.
4. Non renal excretion.
5. Wagner-Nelson method.
6. Glucuronidation.
7. Drug accumulation.
8. Dosing of drugs in obese patients.
9. Topical absorption of drugs.
10. Protein binding.
