

February 2012

(LA 4267)

Sub. Code: 4267

FOURTH B.PHARM. EXAMINATION
Paper I – FORMULATIVE PHARMACY AND BIOPHARMACEUTICS*Q.P. Code : 564267***Time: Three Hours****Maximum: 100 marks****Answer ALL questions****I. Elaborate on:****(2 x 20 = 40)**

1. Define Pharmacokinetics. Explain pharmacokinetics and pharmacodynamic parameters in plasma level curve.
2. Differentiate hard and soft gelatin capsules. Explain the method of manufacturing of soft gelatin capsule by rotary die process.

II. Write notes on:**(8 x 5 = 40)**

1. Processing problems of tablet dosage form.
2. Disintegration test for tablet dosage form.
3. Film coating.
4. Importance of microencapsulation in pharmacy.
5. Explain ODDS.
6. Explain Nanoparticals.
7. Explain Bioequivalency testing.
8. Write advantage and limitation of PAP'S.

III. Short Answers:**(10 x 2 = 20)**

1. Define Bioavailability.
2. Define Biopharmaceutics.
3. Write size of hard gelatin capsules.
4. Classification of Liposomes.
5. Importance of tablet coating.
6. Classification of different types of tablets.
7. Write microencapsulation techniques.
8. Storage of capsule dosage forms.
9. Write chemical properties of drugs.
10. Organoleptic property.
