

(LI 4267)

FEBRUARY 2016

Sub. Code: 4267

**FOURTH YEAR B.PHARM. EXAMINATION**  
**PAPER I – FORMULATIVE PHARMACY AND BIO-PHARMACEUTICS**

*Q.P. Code: 564267***Time: Three hours****Maximum: 100 Marks****I. Essay:****(2 x 20 = 40)**

1. Differentiate hard and soft gelatin Capsules. Discuss about the material used in capsule. Explain the method of manufacturing of soft gelatin capsule by rotary die process.
2. Write on the different types of Transdermal drug delivery systems and their evaluation.

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

1. Processing problems of tablet dosage form.
2. Write advantages and limitation of Prolonged Action Pharmaceuticals.
3. Spray drying –Spray congealing.
4. Pan coating.
5. Apparent volume of distribution and total body clearance.
6. Bioequivalency testing.
7. Discuss the application of stability studies.
8. Polymorphism and its influence in the formulation of solid dosage form.

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

1. Importance of tablet coating.
2. Write microencapsulation techniques.
3. Storage of capsule dosage forms.
4. Write chemical properties of drugs.
5. Organoleptic property.
6. Classification of liposomes.
7. Define Bio-pharmaceutics.
8. Solubility.
9. Slugging.
10. Biological half life.

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