

(LF 4267)

AUGUST 2014

Sub. Code: 4267

**FOURTH YEAR B.PHARM. EXAM
PAPER I – FORMULATIVE PHARMACY AND BIOPHARMACEUTICS**

Q.P. Code: 564267

Time: Three Hours

Maximum: 100 marks

I. Essay: (2X20=40)

1. Explain about the coating of tablets with examples.
2. Discuss about advantages, Preparation and Evaluation of Transdermal Drug Delivery System.

II. Short notes: (8X5=40)

1. Dissolution
2. Stability testing protocol for various pharmaceutical products
3. Quality control test for capsules
4. Types and importance of microencapsulation in pharmacy
5. Evaluation of prolonged action pharmaceutical.
6. Determination of bioavailability
7. Compartment models
8. Rate of drug absorption after oral administration.

III. Short Answers: (10X2=20)

1. Novel Drug Delivery System
2. Nano particles
3. Capping and Lamination
4. Osmotic drug delivery system
5. Poor flow of granules
6. Shape of soft gelatin capsules
7. Factors affecting absorption of drugs
8. Preformulation
9. Types of tablets
10. Types of tablets compression machine
