

(LG 4267)

FEBRUARY 2015

Sub. Code: 4267

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

*Q.P. Code: 564267*

**Time: Three hours**

**Maximum: 100 marks**

**I. Essay:** (2 x 20 = 40)

1. Discuss about the Absorption of drug and factors affecting drug absorption.
2. Briefly explain about the Formulation, granulation and manufacture of tablets.

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

1. Organoleptic property and their effect on formulation
2. Stability testing
3. Soft gelatin capsules
4. Air suspension techniques for microencapsulation
5. Nanoparticles
6. What is bloom strength? Explain how it is determined?
7. Drug distribution
8. Advantages and disadvantages of capsule dosage forms

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

1. Important of density in preformulation
2. Hydrolysis
3. Storages of capsule dosage form
4. Types of microcapsules
5. Bioavailability
6. Pharmacokinetics
7. Biological half life
8. Defects in film coating
9. Transdermal drug delivery
10. Advantages of liposome

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