

(LL 4267)

AUGUST 2017

Sub. Code: 4267

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

*Q.P. Code: 564267*

**Time: Three hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 20 = 40)**

1. Define Absorption. Explain the physico chemical factors affecting Drug Absorption.
2. Write in detail the method of preparation of Liposomes and its applications.

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

1. Influence of Chemical properties of drug in the development of Pharmaceutical dosage form.
2. Processing problems of Tablet dosage form.
3. Wurster air suspension technique.
4. Alzet Osmotic pump.
5. Types and components of transdermal patches.
6. Nanoparticles.
7. Pharmacokinetic parameters.
8. Evaluation of capsules.

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

1. Objectives of pre-formulation study.
2. Importance of solubility.
3. Binders and dis-integrants.
4. Double compression.
5. Steps involved in sugar coating.
6. Orange peel effect.
7. Basic components of osmotic system.
8. Compartment model.
9. Endocytosis.
10. Bioavailability and bioequivalence.

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