

(LC 4267)

FEBRUARY 2013

Sub. Code: 4267

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

*Q.P. Code: 564267*

**Time: Three Hours**  
**(180 Min)**

**Maximum: 100 marks**

**I. Elaborate on:** **(2x20=40)**

1. Discuss about Benefits, Limitations, Types and Evaluation of Prolonged action Pharmaceuticals.
2. Explain in detail about Osmotic Drug Delivery System.

**II. Write notes on:** **(8x5=40)**

1. Physical properties in formulation.
2. Oxidation.
3. Capsule Filling.
4. Multi orifice centrifugation.
5. Tablet Excipients.
6. Advantages of Transdermal Drug Delivery System.
7. Absorption Rate constant.
8. Renal clearance.

**III. Short Answers:** **(10x2=20)**

1. Absolute Bioavailability.
2. Diluents.
3. Backing Membrane.
4. Minim per gram facto
5. Seal coating.
6. Types of Granulation.
7. New Drug Delivery Systems.
8. Dental cones.
9. Gastric Residence Time.
10. Advantages of Tablet coating.

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