

(LM 4267)

FEBRUARY 2018

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. Explain in detail about Osmotic drug delivery system.
2. Enlist methods for preparation of microencapsules. Explain air suspension process in detail. Give evaluation test for microencapsules.

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

1. Design of oral sustained release products.
2. Classification of different types of tablets.
3. Manufacturing of soft gelatin capsules by rotary die process.
4. Evaluation of tablets.
5. Stability testing protocol for various pharmaceutical products.
6. Compartment models and its significance.
7. Discuss granulation technology on large-scale by various techniques.
8. Discuss the factors affecting bio-availability of a drug.

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

1. Backing membrane.
2. Classification of liposome on the basis of structural parameters.
3. Seal coating.
4. Potential advantages of TDDS.
5. Quality control test for capsules.
6. Biological half-life.
7. Anti-oxidants.
8. Organoleptic property and their effect on formulation.
9. Slugging.
10. Processing problems of tablet dosage form.
