

QP Code: 105327

Reg No:

First Year M.Pharm Degree Examinations– September 2014

(2011 Scheme)

(Pharmaceutics)

Paper I – Formulation Technology

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(2x20 =40)

1. Define microencapsulation. Mention its advantages and disadvantages. Explain in details of conservation phase separation process.
2. Discuss formulation and manufacturing of parenteral implants and its limitations. Add a note on its pharmaceutical applications.

Short Essays:

(6x10=60)

3. Explain the different types of granulation process. Mention the types of equipments used for compression.
4. Explain the benefits and limitation of transdermal drug delivery systems. Add a note on their formulation.
5. Explain the use of liposome as drug delivery system with examples of drug and its evaluation.
6. Discuss the production of human insulin by recombinant technology.
7. Explain the standardization and storage of biological products.
8. Discuss the mechanism of buccal absorptions. Mention the examples of drug that can be delivered by mucosal drug delivery system.
