

QP Code: 105327

Reg No:

First Year M.Pharm Degree Supplementary Examinations– March 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. Explain various approaches for the designing of sustained release dosage forms. Discuss selection of drug candidate for SR formulation and explain how physicochemical factors alter the drug release.
2. Discuss the concepts and approaches for the design of targeted drug delivery system. Explain with examples utility of liposomes in drug targeting.

Short Essays:

(6x10=60)

3. Mention the various techniques used for microencapsulation and explain phase separation coacervation technique with suitable examples.
4. Explain the techniques involved in designing trans dermal patches with examples.
5. Describe the manufacture of hard gelatin capsule shell
6. Discuss on standardization and storage of vaccines
7. Discuss various components of an aerosol container and add a note on propellants used in their formulation.
8. Explain IUD systems and floating drug delivery systems.
