

QP Code: 101327

Reg No:

first Year M.Pharm Degree Examinations (Supplementary)- November 2012

(Pharmaceutics)

Paper I- Formulation Technology

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Discuss in detail how the physico-chemical properties of a drug influence the design and performance of a sustained release drug delivery system.
2. Mention the classification of different transdermal drug delivery system and list its relative advantages. Explain the formulation and evaluation of TPDS

Short Essays:

(6x10=60)

3. Explain the evaluation of aerosols.
4. Explain the basic principle of dissolution controlled release in the design of oral controlled release drug.
5. Explain the formulation of parenteral products and its evaluation.
6. Define liposome and describe various types of liposome and its method of preparation.
7. Describe the design and manufacture of ocusert and osmotic pump system.
8. Explain microencapsulation by spray drying and congealing.
