

QP Code: 3271

Reg No:

M Pharm Part I Degree Examinations - June 2012

(Pharmaceutics)

Paper I - Formulation Technology

Time: 3 hrs

Maximum Marks: 100

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

Essays: (2x20 =40)

1. Explain the chemical and biochemical consideration, mechanism, design and development of inhalation drug delivery system.
2. What are liposome. Discuss the mechanism of liposome formation and the method of preparation of various types of liposomes. How they are evaluated for their performance.

Short Essays: (6x10=60)

3. Explain the modulation of gastro-intestinal transit time.
4. Explain the principle and procedure of different microencapsulation technique adopted in formulation of sustained release system.
5. Describe formulation and evaluation of cosmetics applied to hair
6. Classify the various types of process validation and add a note on transdermal process validation.
7. Define targeted drug delivery system. Mention the different approaches and major objectives of such system.
8. Classify and discuss briefly the parenteral controlled released drug preparation and add a notes on in vitro- in vivo correlation.
