QP Code: 104327

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

(Pharmaceutics)

Paper IV - Industrial Pharmacy

Time: 3 hrs

Maximum Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x20 =40)

(6x10=60)

- 1. Explain the pre-formulation studies with special reference to surface area, dissolution, stability and parameters affecting absorption.
- 2. Explain optimization techniques in pharmaceutics and optimization parameters.

Short Essays:

- 3. Discuss factorial design and central composite design
- 4. Explain excipient compatibility
- 5. Discuss documentation its relevance and importance
- 6. What are the regulatory requirements of clinical trials
- 7. Explain the following according to CGMP : Production and process controls
 Packaging and labeling controls
- 8. List the pharmaceutical applications of polymers and explain them.

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Reg No: