

QP Code: 105327

Reg No: .....

First Year M.Pharm Degree Examinations - February 2013

(2011 Admn- New Scheme)

(Pharmaceutics)

Paper I-Formulation Technology

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Describe wet granulation process. What are the drug properties and formulation considerations relevant for sustained release tablets
2. What are the vehicles used for parenterals. Explain the quality control tests applicable for parenteral products.

Short Essays:

(6x10=60)

3. Explain the working of insulin pump.
4. Explain the characterization methods of nanoparticles.
5. Explain the approaches for drug targeting.
6. Describe the methods of filling aerosols.
7. Modern vaccine technology.
8. Explain • Wuster process, • Coacervation-phase separation technique

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