

QP Code: 105327

Reg No:

First Year M.Pharm Degree Examinations August 2016

(Pharmaceutics)

Paper I – Formulation Technology

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Explain the concept of controlled drug delivery system. Discuss properties relevant to controlled drug release. Add a note on osmotic pump system.
2. Explain the formulation and manufacture of large volume parenterals

Short Essays:

(6x10=60)

3. Describe official quality control tests performed on tablet dosage form.
4. Explain in detail equipments and process parameters for coating of solid dosage forms.
5. Define nano-particles and discuss its applications. Explain the methods of preparation of nano-particles.
6. Explain formulation of aerosol products giving characteristics of each type formulation. Discuss the methods for filling of aerosols.
7. Explain design and formulation of ocuserts and add a note on working of insulin pump.
8. Discuss briefly on interferons and interleukins
