

QP Code: 107327

Reg No:

First Year M.Pharm Degree Examinations August 2016

(Pharmaceutics)

Paper III – Industrial Pharmacy

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Explain the significance of pilot plant scale up techniques. Add a note on parameters of pilot plant scale up techniques such as formula and equipment, product uniformity and stability
2. Explain the types of polymers and explain in detail about some fabrication technologies using polymers

Short Essays:

(6x10=60)

3. Explain ANOVA, students t' test
4. Enumerate and explain the parameters affecting stability of drugs. Add a note on overages and shelf life
5. Explain ISO 9000 series
6. Explain in brief about the regulatory requirements as per ICH guidelines
7. Explain the industrial hazards and safety methods due to fire, mechanical and electrical equipments.
8. Describe the factors controlling the operation of an industrial fermentor. Add a note on screening
