

QP Code: 107327

Reg No:

First Year M.Pharm Degree Examinations July 2015

(Pharmaceutics)

Paper III – Industrial Pharmacy

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Define polymers and mention the different types of polymers. Discuss in detail the pharmaceutical applications of polymers.
2. What is fermentation. Explain the design and operation of industrial fermentors

Short Essays:

(6x10=60)

3. Explain the application of factorial design in formulations.
4. Define TQM (total quality management) and explain its principles in pharmaceutical industry.
5. Explain the causes and prevention of chemical hazards in pharmaceutical industry.
6. Explain : • ISO 9000 series • ICH guidelines for stability studies
7. Explain the salient features of IPR(intellectual property rights).
8. Explain different inventory techniques used in pharmaceutical industry.
