First Year M.Pharm Degree Supplementary Examinations– March 2014

(2011 Scheme)

(Pharmaceutics)

Paper III – Industrial Pharmacy

Time: 3 hrs

• Answer all questions

• Draw diagrams wherever necessary

Essays:

- (2x20 =40)
- 1. Explain the design of an industrial fermentor. What is batch culture and continuous culture
- 2. What is the significance of pilot plant scale up techniques. What are master formula and batch formula records.

Short Essays:

(6x10=60)

- 3. Explain protection against fire and electrical hazards.
- 4. Explain the effect of temperature and humidity on shelf life of drugs
- 5. Explain the significance of total quality management (TQM) and productivity in pharmaceutical industry
- 6. What are polymers. Classify polymers and give their applications.
- 7. Explain the significance of good manufacturing practices in manufacture of drugs
- 8. Explain treatise on pharmaceutical process validation of solid dosage forms

Reg No:

Maximum Marks: 100