

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M.Pharm Semester –I Examination Feb. – 2012

Subject code: 910208

Date: 15/02/2012

Subject Name: Industrial Pharmacy-II

Time: 10.30 am – 01.30 pm

Total Marks: 80

Instructions:

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1 (a) Discuss vendor development capacity assessment for machines and raw materials 08
(b) Discuss implications of reducing cost in pharmaceutical manufacturing practice 08
- Q.2 (a) Classification of maintenance management and differentiate preventive and predictive maintenance 08
(b) Explain inventory management and discuss on special considerations in inventory categories 08
- Q.3 Write short note on followings
(a) Discuss the significance of pilot plant and its general requirements for manufacturing of injectable dosage form 06
(b) Explain scale up technique study of tablet dosage form 05
(c) Discuss product uniformity parameter of dosage form during scale up techniques 05
- Q.4 (a) Classify the industrial hazards and discuss fundamentals of accident prevention 06
(b) Describe fire prevention and its control in pharmaceutical industries 05
(c) Discuss the management of scrap disposal in pharmaceutical plant 05
- Q.5 (a) Explain production scheduling and forecasting 08
(b) Classify types of management and discuss material management in detail 08
- Q. 6 (a) Discuss the maintenance of material handling equipments 08
(b) Discuss modern inventory management system and its evaluation 08
- Q.7 Write a short note on any two 16
(a) Importance of stability parameter in scale up techniques
(b) Industrial chemical and their health hazards
(c) Importance of documentation in pharmaceutical manufacturing
