Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm - SEMESTER-I • EXAMINATION - SUMMER -2015

Subject Code: 910208 Date: 25-05-2015

Subject Name: Industrial Pharmacy - II

Time: 02:30 pm to 05:30 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) (b) (c)	Discuss general requirements for manufacturing of injectable dosage form. Give significance of pilot plant scale up in pharmaceutical industry. Explain scale up of semisolid dosage form.	06 05 05
Q.2	(a) (b) (c)	Discuss on technology transfer: Pilot plant to production. Write in brief about stability aspects of oral liquids during scale-up. Explain vendor development capacity assessment for machines.	06 05 05
Q.3	(a) (b) (c)	What is production scheduling? Explain with suitable example. Discuss role and responsibilities of personnel in production management. Enlist the factors affecting production management.	06 05 05
Q.4	(a) (b) (c)	Discuss the maintenance of material handling equipments. Define the term 'Inventory management'. Discuss EOQ in detail. Write a short note on sales forecasting.	06 05 05
Q.5	(a) (b) (c)	Give significance of documentation in pharmaceutical manufacturing. Explain cost control elements in production management. Discuss corrective maintenance and scheduled maintenance in production.	06 05 05
Q. 6	(a) (b) (c)	Discuss fire prevention and its control. Define COD. Discuss monitor and controls of it for industrial waste water. Models for selective inventory.	06 05 05
Q.7	(a) (b) (c)	Discuss electrical hazards and give preventive measure for it. Write note on prevention of chemical hazards in pharmaceutical industry. Effluents treatment in pharmaceutical industry.	06 05 05
