Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

D. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2014

Subject Code: 410001 **Date: 22-12-2014**

Subject Name: Pharmaceutics - I

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)**	Define aerosol. Write about classification and composition of aerosol.	**06**
	(b)	Define Dosage form. Write down advantages and disadvantages of liquid and solid dosage form.	**05**
	(c)	Define Isotonicity. How to adjust isotonicity in brief.	**05**
Q.2	**(a)**	Define size reduction. Write about ball mill in brief.	**06**
	(b)	Define size separation. Write about elutriation method for size separation.	**05**
	(c)	Discuss briefly about Indian Pharmacopoeia.	**05**
Q.3	**(a)**	Define tablet. Discuss problems and remedies associated with tablet manufacturing.	**06**
	(b)	Discuss factor affecting filtration.	**05**
	(c)	Differentiate simple maceration and modifies maceration.	**05**
Q.4	**(a)**	Discuss soft gelatine capsule in brief.	**06**
	(b)	Define distillation. Discuss preparation of purified water.	**05**
	(c)	Write a note on freeze drying.	**05**
Q.5	**(a)**	Discuss quality control parameter of tablet.	**06**
	(b)	Define immunity. Write down classification of immunological products.	**05**
	(c)	Define evaporation. Discuss regarding evaporating still.	**05**
Q. 6	**(a)**	Define sterilization. Write down classification of sterilization.	**06**
	(b)	Write about homogenizer in brief.	**05**
	(c)	Write a note on fractional distillation.	**05**
Q.7	**(a)**	Define tablet. Write down classification of tablet with example.	**06**
	(b)	Discuss regarding continuous hot percolation.	**05**
	(c)	Write about sugar coating of tablet.	**05**

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