

GUJARAT TECHNOLOGICAL UNIVERSITY**D.Ph. - SEMESTER-I • EXAMINATION – SUMMER 2013****Subject Code: 410001****Date: 09-05-2013****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)	Write a note on Compression Cycle of tablet manufacturing.	06
	(b)	Discuss the defects of tablets and their remedies.	05
	(c)	Write a detailed note on Indian Pharmacopoeia.	05
Q.2	(a)	Define Tablets. Enumerate Various Classes of Tablets. Write briefly on Implants.	06
	(b)	Write a brief note on coating of a tablet.	05
	(c)	Give principle, working and application of fluid bed dryer.	05
Q.3	(a)	Discuss mechanisms of Size Reduction.	06
	(b)	Give principle, working and application of fluid energy mill.	05
	(c)	Classify containers. What are the desired features of containers?	05
Q.4	(a)	Write a note on different types of glass for the use as containers.	06
	(b)	Discuss sedimentation method of size separation.	05
	(c)	Write a note on mixing of semisolids.	05
Q.5	(a)	Describe with labeled diagram: Triple roller mill.	06
	(b)	Write in brief about mixing of semi-solids.	05
	(c)	Write construction and working of evaporating still.	05
Q. 6	(a)	What are factors affecting evaporation?	06
	(b)	Differentiate between simple and steam distillation.	05
	(c)	What is sterilization? How it is different than disinfection?	05
Q.7	(a)	What different sizes of capsules is available market? Give their application.	06
	(b)	Write a note of immunological products.	05
	(c)	Define mixing and classify the mixers.	05
