

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Pharmacy – 1st Year Examination – OCTOBER 2012

Subject code: 410001**Date: 25-10-2012****Subject Name: Pharmaceutics-I****Time: 2:30 pm – 5:30 pm****Total Marks: 80****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a) What are the advantages and disadvantages of hard gelatin capsule?	06
	(b) Give a brief outline of active and passive immunity.	05
	(c) Write a note on modern drug delivery system.	05
Q.2	(a) Write a note on soft gelatin capsule manufacturing.	06
	(b) Discuss the factors affecting rate of evaporation.	05
	(c) Give the list of tablet binder and lubricants.	05
Q.3	(a) Enumerate different methods of size separation. Discuss any one in detail.	06
	(b) Write a note on autoclave.	05
	(c) Discuss the factors affecting filtration.	05
Q.4	(a) Explain the principle, construction and working of planetary mixture.	06
	(b) Write a note on fluid energy mill.	05
	(c) Draw neat, clean and labeled diagram of fluid bed dryer.	05
Q.5	(a) Enumerate evaluation tests for tablets. Discuss any one in detail.	06
	(b) Give the classification of immunological products.	05
	(c) Write a note on soxhlet extraction.	05
Q. 6	(a) Discuss the principle, construction and working of ball mill.	06
	(b) Write a note on soft gelatin capsule manufacturing.	05
	(c) Write a note on steam distillation.	05
Q. 7	(a) Enumerate methods of sterilization and explain any one in detail.	06
	(b) Enumerate advantages and disadvantages of freeze drying.	05
	(c) Define Mixing. State different types of mixtures with example.	05
