

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VIII • EXAMINATION – WINTER • 2014

Subject Code: 280002

Date: 27-11-2014

Subject Name: Pharmaceutical Technology- II

Time: 02:30 pm - 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) Enlist advantages and disadvantages of tablets.	06
	(b) Enlist advantages and disadvantages of direct compression.	05
	(c) Define the term, causes and remedies for capping and lamination in tablets.	05
Q.2	(a) Discuss various stages of sugar coating giving suitable examples of excipients used.	06
	(b) Enlist water soluble film former and discuss in details about HPMC.	05
	(c) Enlist advantages and disadvantages of starch and mannitol as a tablet excipient.	05
Q.3	(a) Enlist various mechanism of disintegration and write in details any two giving suitable examples.	06
	(b) Discuss importance of documentation in pharmaceutical manufacturing.	05
	(c) Explain validation of granulation process in tablet manufacturing.	05
Q.4	(a) Enlist advantages and disadvantages of microcapsules giving suitable examples.	06
	(b) Enlist various methods of microencapsulation and explain any one in detail.	05
	(c) Enlist and discuss various evaluation parameters for micro- capsulation.	05
Q.5	(a) Explain various compositions of hard gelatin capsules.	06
	(b) Discuss quality control parameters of soft gelatin capsule.	05
	(c) Discuss evaluation parameters for floating tablets.	05
Q. 6	(a) Define sunscreen. Discuss composition and evaluation parameters of sunscreen.	06
	(b) Differentiate between vanishing and cold cream giving suitable examples.	05
	(c) Differentiate between paste and gels. Enlist evaluation parameters for dentifrice.	05
Q.7	(a) What is tamper-evident packaging? Explain evaluation tests for closures.	06
	(b) Enlist criterion for selection of packaging material. Classify packaging material.	05
	(c) Differentiate between primary and secondary packaging giving suitable examples. Define the strip and blister packaging.	05
