

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VIII • EXAMINATION – SUMMER 2013

Subject Code: 280002

Date: 11-05-2013

Subject Name: Pharmaceutical Technology- II

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)	Discuss compression and consolidation.	06
	(b)	Discuss dissolution test IP for tablet.	05
	(c)	Differentiate direct compression, wet granulation and double compression technologies for tablet.	05
Q.2	(a)	Discuss The processing problems of tablets with remedies.	06
	(b)	Discuss sugar coating in detail.	05
	(c)	Write objective of enteric coating and give detail account on enteric film formers.	05
Q.3	(a)	Write note on in-process quality control test of tablet Mfg.	06
	(b)	Explain the formulation of hard gelatin capsule shall.	05
	(c)	Discuss piston tamping principle for filling of hard capsule.	05
Q.4	(a)	Write note on base adsorption and M/g factor in capsule Mfg.	06
	(b)	Explain rotary die process for manufacturing of soft capsule.	05
	(c)	Enlist methodologies of microencapsulation and discuss in detail coacervation-phase separation method.	05
Q.5	(a)	Classify cosmetics and write note on Sunscreen lotion.	06
	(b)	Write note on lipstick.	05
	(c)	Explain formulation and evaluation of toothpaste.	05
Q. 6	(a)	Explain tamper proof packaging.	06
	(b)	Write note on blister and strip package.	05
	(c)	Explain Powdered glass test and water attack test for glass.	05
Q.7	(a)	Explain master formula record.	06
	(b)	Discuss validation of granulation for tablet manufacturing.	05
	(c)	Discuss the premises facility requirements as per GMP.	05
