

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.**

<b>Q.1</b>	(a)	Discuss compression and consolidation.	<b>06</b>
	(b)	Discuss dissolution test IP for tablet.	<b>05</b>
	(c)	Differentiate direct compression, wet granulation and double compression technologies for tablet.	<b>05</b>
<b>Q.2</b>	(a)	Discuss The processing problems of tablets with remedies.	<b>06</b>
	(b)	Discuss sugar coating in detail.	<b>05</b>
	(c)	Write objective of enteric coating and give detail account on enteric film formers.	<b>05</b>
<b>Q.3</b>	(a)	Write note on in-process quality control test of tablet Mfg.	<b>06</b>
	(b)	Explain the formulation of hard gelatin capsule shall.	<b>05</b>
	(c)	Discuss piston tamping principle for filling of hard capsule.	<b>05</b>
<b>Q.4</b>	(a)	Write note on base adsorption and M/g factor in capsule Mfg.	<b>06</b>
	(b)	Explain rotary die process for manufacturing of soft capsule.	<b>05</b>
	(c)	Enlist methodologies of microencapsulation and discuss in detail coacervation-phase separation method.	<b>05</b>
<b>Q.5</b>	(a)	Classify cosmetics and write note on Sunscreen lotion.	<b>06</b>
	(b)	Write note on lipstick.	<b>05</b>
	(c)	Explain formulation and evaluation of toothpaste.	<b>05</b>
<b>Q. 6</b>	(a)	Explain tamper proof packaging.	<b>06</b>
	(b)	Write note on blister and strip package.	<b>05</b>
	(c)	Explain Powdered glass test and water attack test for glass.	<b>05</b>
<b>Q.7</b>	(a)	Explain master formula record.	<b>06</b>
	(b)	Discuss validation of granulation for tablet manufacturing.	<b>05</b>
	(c)	Discuss the premises facility requirements as per GMP.	<b>05</b>

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