Seat No.: Enrol	ment No.
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		GUJARAT TECHNOLOGICAL UNIVE B.Pharm SEMESTER- VIII• EXAMINATION -	- SUMMER-2016	
Subject Code:2280002			Date:30/04/2016	
Subject Name: Pharmaceutical Technology II Time: 10:30 AM to 1:30 PM			Total Mariles 90	
Instr			Total Marks: 80	
<ol> <li>Attempt any five questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>				
Q.1	(a)	Define Tablet. Give Classification of Tablets. Write a note on sizes of Tablets.		
•	<b>(b)</b>	Write a note on excipients of compressed tablets.		
	<b>(c)</b>	What are processing problems and remedies for coated	d tablets?	
Q.2	(a)	a) What are IPQC and final evaluation parameters for mouth dissolving and colon targeted tablets?		
	<b>(b)</b>	Write a note on use and care of Tablet tooling.		
	(c)	What are types of tablet coating? Write a note on equipablets.	pment for coating of	

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**Q.3** What is hard capsule? Give comparative advantage and disadvantage of 06 (a) capsules over tablets. Write a note on IP Capsules.

What is a difference between micro capsules and micro spheres? Write a note 05 **(b)** on application on biodegradable and non-biodegradable polymers used in that.

Write a note on Air suspension technique. 05 (c)

**Q.4** (a) Compare hard gelatin capsules with soft gelatin capsules. 06 **(b)** Write a note on IPQC for capsules with special emphasis on dissolation testing. 05

What is cross linking problem in gelatin capsule cells? 05 (c)

**Q.5** (a) Write a note on excipients used in pellets. 06 05

What is extrusion and pelletization and describe equipment used in this. **(b)** Write a note on ready to use pellets available in market. (c)

**Q.** 6 What is solid dispersion? Write limitations of solid dispersion technique. 06 (a) Compare it with inclusion complex.

Define super critical fluid. Write about its pharmaceutical application. **(b)** 05 05

Write note on techniques of SCF and one equipment for SCF processing. (c)

**Q.7** (a) What do you understand by primary, secondary and tertiary packaging in **06** pharma with their identification system on it.

What is temper evident containers and closures? 05 **(b)** 

(c) Write a note on regulatory requirements in pharma packaging.

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