Seat No.:	Enrolment No.
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Subject Code: 280002

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – VIII • EXAMINATION – WINTER • 2016

Date: 22-11-2016

Subject Name: Pharmaceutical Technology- II Time: 02:30 pm - 05:30 pm Instructions: Total Marks: 80			
	1. 2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q-1.	(a) (b)	Define tablet. Write down its advantage and disadvantage in detail. Enlists various evaluation parameters of tablet. Explain weight variation and content uniformity as per USP.	6 5
	(c)	Draw the compression cycle of a rotary tablet press with explanation.	5
((a)	Write down the principles of tablet coating. Explain the steps of sugar coating.	6
	(b)	Enlists the material used for film coating. Write the attributes of ideal materials for film coating.	5
	(c)	Explain the IPQC and processing problem associated with tablet manufacturing.	5
Q-3.	(a)	Explain the method of production of gelatin and hard gelatin capsules with flow diagram.	6
	(b)	Explain the formulation and types of filing operation in hard gelatin capsules.	5
	(c)	Discuss in detail about rotary die process of soft gelatin capsules with diagram.	5
Q-4.	(a)	Enlist various method of microencapsulation and explain any one in detail.	6
	(b) (c)	Enlists and discuss various evaluation parameters for micro-capsulation. Discuss the quality control parameters for soft gelatin capsules.	5 5
Q-5.	(a) (b)	Classify cosmetics. Write a note on sunscreen. Write down the formulation and evaluation of toothpaste.	6 5
	(c)	Differentiate between vanishing cream and cold cream with suitable examples.	5
Q-6	(a) (b)	What is temper evident packing? Explain the evaluation test for closures. Discuss the criteria for selection of packaging materials. Classify the	6 5
	(c)	packaging materials. Write down the difference between primary and secondary packaging materials with suitable examples.	5
Q-7.	(a) (b)	Discuss the premises facility requirement as per GMP. Discuss the manufacturing and evaluation parameters for floating tablets.	6 5
	(c)	Explain the classification of tablet tooling.	5
