Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (NEW).EXAMINATION - WINTER 2016

	•	ect Code: 2162310 Date: 26/10/2016)
1	lime	ect Name: Plastic Packaging Technology : 02:30 PM to 05:00 PM Total Marks: 70 etions: 1. Attempt all questions.	
		 Attempt an questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a) (b)	Discuss in detail the functions of a Package. What is retort package? Why it is required?	07 07
Q.2	(a) (b)	List features of controlled atmosphere packaging What are the advantages of metallizing over film? OR	07 07
	(b)	What are the critical factors affecting wooden container design?	07
Q.3	(a) (b)	What is the difference between blister and skin packaging? Describe the various mechanical tests on packages. OR	07 07
Q.3	(a) (b)	Under what circumstances would you select MAP and CAP packaging. What are the essential features of good closures.	07 07
Q.4	(a) (b)	What are barrier properties? Explain procedure to determine it for the plastic film. Define surface treatment. Why polyolefins are irrespective with ink? List the surface treatment process carried out on plastic packaging materials OR	07 07
Q.4	(a) (b)	List and explain the test conducted on PET bottles use for soft drink packaging. Explain Mechanical Hazards in Packaging?	07 07
Q.5	(a) (b)	Highlight advantages and limitations of Shrink wrap, Stretch wrap, Skin Package Discuss features of a effective Design.	07 07
Q.5	(a) (b)	OR What do you mean by Eco-Label? State its significance in export marketing. Explain tensile test conducted on plastic film for packaging purpose	07 07
