Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - WINTER 2013

Subject Code: 171401 Date: 26-11-2013 **Subject Name: Food Packaging Technology** Time: 10:30 TO 01:00 **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. What are the requirements of an ideal package? Discuss. 7 **Q.1** b. "Packaging means money for every stake holder." Who are the stake holders? 7 How they are benefitted? **Q.2** Describe FFS machine. What are its merits and limitations over other? 7 a. What is biodegradable packaging? Discuss how it protects the food and 7 environment both? OR Discuss various methods of Blister packaging used in the process food. What are the mandatory requirements laid down by FSSA to be printed on the **Q.3** 7 a. labels of packed food? What are the basic metal plates used in the food industry cans? Describe the 7 process of making base plates for the cans. OR "Colored glass is one of the best packaging materials for the milk". Why it is 0.3 7 a. so? If it is one of the best why it is not popular? Suggest suitable packaging materials and storage conditions for oil seeds and 7 oils. Justify them? 0.4 Discuss the points to be specified while placing the order for cans? 4 How the packaging helps in the promoting sales? 3 b. Discuss different types of deteriorations take place in the breakfast cereals 7 c. during storage? Suggest packaging material for them. OR **Q.4** What is rationale in Packaging? 3 Write a note on "the knowledge of market is essential for developing a good 4 b. package"? What are the factors cause deterioration of milk cream? Suggest suitable 7 packaging material for milk cream. What is primrosing? **Q.5** a. 3 What are the limitations of the wood as packaging material? 4 b. What are advantages and limitations of Edible films used in food packaging? 7 OR 0.5 What is fat bloom? How it can be control? 4 a. Why coating on glasses is done? b. 3 What are the factors cause deterioration of health drinks? Suggest suitable 7 c. packaging material for health drinks. ******