

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.

- Q.1**
- a. What are the requirements of an ideal package? Discuss. 7
 - b. “Packaging means money for every stake holder.” Who are the stake holders? How they are benefitted? 7
- Q.2**
- a. Describe FFS machine. What are its merits and limitations over other? 7
 - b. What is biodegradable packaging? Discuss how it protects the food and environment both? 7

OR

- Q.3**
- b. Discuss various methods of Blister packaging used in the process food. 7
 - a. What are the mandatory requirements laid down by FSSA to be printed on the labels of packed food? 7
 - b. What are the basic metal plates used in the food industry cans? Describe the process of making base plates for the cans. 7

OR

- Q.3**
- a. “Colored glass is one of the best packaging materials for the milk”. Why it is so? If it is one of the best why it is not popular? 7
 - b. Suggest suitable packaging materials and storage conditions for oil seeds and oils. Justify them? 7
- Q.4**
- a. Discuss the points to be specified while placing the order for cans? 4
 - b. How the packaging helps in the promoting sales? 3
 - c. Discuss different types of deteriorations take place in the breakfast cereals during storage? Suggest packaging material for them. 7

OR

- Q.4**
- a. What is rationale in Packaging? 3
 - b. Write a note on “the knowledge of market is essential for developing a good package”? 4
 - c. What are the factors cause deterioration of milk cream? Suggest suitable packaging material for milk cream. 7
- Q.5**
- a. What is primrosing? 3
 - b. What are the limitations of the wood as packaging material? 4
 - c. What are advantages and limitations of Edible films used in food packaging? 7

OR

- Q.5**
- a. What is fat bloom? How it can be control? 4
 - b. Why coating on glasses is done? 3
 - c. What are the factors cause deterioration of health drinks? Suggest suitable packaging material for health drinks. 7
