

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII(NEW) • EXAMINATION – WINTER 2016

Subject Code:2171404

Date:25/11/2016

Subject Name:Food Packaging Technology(Departmental Elective - II)

Time: 10.30 AM to 1.00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1
- i. What is rationale in packaging? 2
  - ii. How market influences packaging requirement? 3
  - iii. What are the product information's one should know before selecting the packaging material? 4
  - iv. Justify packaging is artistic way of marketing the product? 5
- Q.2
- a i. What are functions of liner in Corrugated Fiber board box? 2
  - ii. Discuss Health & Food Safety issues of edible films or coatings? 5
  - b Explain Half Value Period Method? Where it is used in food processing? 7
- OR
- b Explain the self heating packaging cans? What are research areas in it? 7
- Q.3
- a Explain
    - i. Nature has provided the best packaging material to some. 3
    - ii. Colored glasses are better than the transparent glasses for LOCAL milk distribution. 4
  - b With sketch discuss working of any one continuous packaging machine. 7
- OR
- Q.3
- a Explain
    - i. Sugar bloom is not packaging defect. 3
    - ii. Packaging means money for every stake holders. 4
  - b Plastic is boon or ban for food processing industry. Justify? 7
- Q.4
- a Discuss what are the possible hazards, things to be preserved and suggest suitable packaging and packing for
    - i. Skim milk Powder 3
    - ii. Salted biscuits 4

	b	i.	What is coating on metals?	2
		ii.	Coated metals are considered to be the best packaging material.”Justify?	5
			OR	
Q.4	a		Discuss what are the possible hazards, things to be preserved and suggest suitable packaging and packing for	3
		i.	Corn Flour;	4
		ii.	Lozenges	
	b	i.	What is blister packaging?	2
		ii.	Explain and compare different types of blister packaging?	5
Q.5	a		What is FSSAI? How it differ from FPO?	7
	b	i.	Draw symbols for the followings: Perishable packaged goods and Fragile packaged goods	2.
		ii.	What are the precautions to be taken for placing the order for cans?	5
			OR	
Q.5	a		Discuss various tests carried out for testing paper as packaging material?	7
	b	i.	Elaborate the following terms with respect to food packaging. OTS can; HMHDPE; EVOH; and PVDC	2
		ii.	Write a note on Active Packaging?	5

-X-X-X-X-X-X-X