Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

 $BE-SEMESTER-V\ (NEW)\ EXAMINATION-WINTER\ 2015$

Subj	ect (Code: 2151407 Date:14/12/ 2015	
_		Name: Entrepreneurship and Food Plant Management 30am to 1:00pm Total Marks: 70	
	uction	<u>-</u>	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1		Justify the following statements with suitable examples i. India can become world food factory ii. Agricultural and horticultural produce in India are not suitable for	03 03
		processing iii. What do you understand by forecasting? iv. Food processing industry is Sun rising industry in India	03 05
Q.2	(a)	rate." i. Explain variable rate of depreciation with suitable example?	03
		ii. Why it is preferred?	04
	(b)		07
	(b)	OR Teething stage of the food processing industry is the most crucial for its sustainable growth." Explain with suitable examples?	07
Q.3	(a)	i. What are the roles of DIC?ii. How it can be helpful in starting the food industry?	03 04
	(b)	processing industry? And How?	07
		OR	
Q.3	i. What are the aims and functions of ICICI?ii. In which way it helps in food processing industry?		04 03
	(b)	What are the different Government agencies at the State level help in Food processing industry? And How?	07

Q.4	(a)	Calculate the fixed cost of an extruder per kg of product in the 2 nd year if its initial cost is Rs 10.00 lakhs and salvage value is Rs 50,000/- after 10 years. The rate of interest is 10% per annum on the average cost of the year. The housing and insurance charges are Rs 5000/- per month and 0.1% per annum on the initial cost of the machine. Depreciation is considered to be fixed rate of 15% per annum. The extruder is producing 200kg product per hour is used about 300	07
	(b)	hours a year. What are different utilities used in the food processing industry? How their charges are included in the costing of the product? Explain with suitable example?	07
		OR	
Q.4	(a)	Calculate the raw material cost of production of tomato ketchup per kilogram from 4.5% solids tomatoes. The cost of tomatoes is Rs 5000/- per tone? The cost of spices required Rs 625/- per 100 kg of concentrate tomato puree. Ratio of tomato puree to tomato is 27%.	07
	(b)	What are different types of staff required in typical fruit processing center to extract and store the pulp, to produce high sugar and moisture products and fruit beverages. How their wages considered year by year in the industry?	07
Q.5	(a)	Explain ABC analysis technique used in inventory management.	07
Q.S	(b)	Discuss any seven components of operation function.	07
	(6)	OR	07
Q.5	(a)	i. What do you understand by intermittent production system?	03
-	` /	ii. Explain its characteristics features.	04
	(b)	What are techniques used in Just in time (JIT) to achieve increased productivity and flexibility?	07
