Seat No.:	Enrolment No.
Seat No	Emoniem No

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-VII • EXAMINATION - WINTER • 2014

	•	t Code: 171403 Date: 04-12-201	4			
Ti		t Name: Entrepreneurship and Food Plant Management 10:30 am - 01:00 pm Total Marks: 70 ons:	0			
	1.2	<ul> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ul>				
Q.1	(a) (b)	Explain the seven principles of HACCP. What is fixed cost of an industry? What are the different methods to calculate the depreciation? Which method you will recommend for a new coming food processing industry and why?	0'			
Q.2	(a)	What is breakeven point? Calculate the break even point for the factory with the following data:	0'			
		Capacity: 3 t/h; Working: 8h/day;				
		Maximum sale price Rs 30,000/- per tonne;				
		Fixed cost Rs 5,00,000/- per year,				
		Water and energy charges Rs 180/- and Rs 6,000/- per working day;				
		Salary of permanent staff Rs 1,00,000/- per month				
		Maintenance including miscellaneous expenditure Rs 3,00,000/- per year				
	<b>(b)</b>	Raw material cost Rs, 7,00,000/- per working day What are the different stages of the food processing industry? Explain with typical example stating it as business opportunity?  OR	0			
	<b>(b)</b>	What is working capital? Discuss the importance of management of working capital for a industry.	0'			
Q.3	(a) (b)	What is JIT? Compare traditional system with JIT for a food processing sector? Discuss the following terms:	0' 0'			
		<ul><li>i) Mean time between failure</li><li>ii) Predictive maintenance</li><li>OR</li></ul>				
Q.3	(a)	Discuss the following terms:	0'			
		<ul><li>i) Breakdown maintenance</li><li>ii) Product failure rate</li></ul>				

Q.3 (b) Write a note on ABC analysis? Explain ABC analysis by categorizing the 07 following inventory items

Item no	Average annum	uses	per	Unit cost (Rs)
1	20			720
2	12			74
3	72			75
4	75			27
5	106			4
6	43			6
7	6			350
8	26			23
9	51			200
10	1095			7
11	2			1500
12	7			75

Q.4 (a) Write short notes:

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- i) Evolution of ISO 9000 standards
- ii) KAIZEN
- (b) Define Operation Management. Explain the different types of production **07** systems.

OR

- Q.4 (a) Discuss the importance of implementation of Quality Management Systems for organization with examples.
  - (b) What is Production Planning and Control (PPC)? State the objectives and functions of PPC.
- Q.5 (a) What is SEEUY? Who promote it and how?
  - (b) What is role of NABARD in promoting food processing sector?
  - (c) State the objectives of training and development of manpower in the 07 organization and discuss the various methods of training.

OR

- Q.5 (a) What is PRA? How it help in food processing sector?
  - (b) What is role of NSIC in promoting food processing sector?
  - (c) Write short notes on:
    i) Structure of organization
    - ii) Qualities of leadership

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