Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (NEW) - EXAMINATION - SUMMER 2016

Subject Code:2151407 Date:17/05/2			016
Subject Name:Entrepreneurship and Food Plant Management Time:02:30 PM to 05:00 PM Total M Instructions:		2:30 PM to 05:00 PM	70
	1 2	Attempt all questions.Make suitable assumptions wherever necessary.Figures to the right indicate full marks.	
Q.1	(a)	Do as directed. i) What are ways for adding value to an entity? ii) Define Productivity. iii) Production of defective goods leads to minimized productivity. Justify. iv) Indian Food Industry is sun rising industry. Justify. v) Enlist different utilities used in food processing industry. vi) State the importance of master production schedule. vii) Introduce briefly manufacturing lead time.	07
	(b)	Enlist the different government agencies at National level to help food industries. Discuss the roles of any two agencies in detail.	07
Q.2	(a)	What do you mean by depreciation? Calculate the value of depreciation of cabinet drier in third year whose initial cost is Rs. 4,00,000/-, salvage value is Rs. 40,000/- and life is 10 years by i) Straight line method ii) Variable rate (First year 6%, Second year 10% and third year 13%) iii) Fixed rate of 11%	07
	(b)	Explain conceptual model of a production system. OR	07
	(b)	Discuss the components of operation function.	07
Q.3	(a) (b)	Explain the principles of JIT (Just in Time). Discuss independent demand purchase with recorder level and recorder quantity. OR	07 07
Q.3	(a) (b)	Explain planning and teething stage of a food industry. Describe the characteristics of successful entrepreneur.	07 07
Q.4	(a) (b)	Calculate the cost of utilities per ton (finished product) in food processing industry plant operating 24 days a month, 8 hours a day, water requirement is 5 times the raw material used. If the machines have the capacity to handle 1.5 ton raw material to produce 0.5 ton finished product per hour. The electricity load is 22 Kw. The rate of electricity and water are Rs. 5/kWh and Rs. 120/KL. What are roles of DIC? How it is helpful in start up of food industry? OR	07
Q.4	(a) (b)	What do you understand by Economic Batch Quantity (EBQ)? A company uses 75 number of an item per month. Each unit costs the company Rs. 25/ The cost of putting through each order and inventory carrying charges per month are computed at Rs. 36 and 1.5% of the average investment respectively. In what economic lots, should the items be purchased to minimize the total cost. Explain the factors influencing the choice of manufacturing system.	07
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Q.5	(a)	Differentiate between the followings.	07
		i) Batch Production and Process Production	
		ii) Project Production and Jobbing production	
	(b)	Explain the significance of decisions making. Enlist the characteristic features	07
		of strategic decisions, tactical decisions and operational decisions.	
		OR	
Q.5	(a)	Explain break even point and mention its significance for an organization.	07
	(b)	Discuss the advantages and limitations of large and small batch sizes.	07
