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Enrolment No._____

St Ti	ıbjec ime: struct	GUJARAT TE BE - SEMESTER-V et Code:2151407 et Name:Entrepreneu 10:30 AM TO 01:00 PM ions: 1. Attempt all questions. 2. Make suitable assumpti 3. Figures to the right indi	(NEW) EXAMINATE (NEW) EXAMINAT	NA d l	TION – WINTE Plant Managen	R 2018 Date:04/12/2018							
Q.1	(a)	Enlist the objectives of o		03									
Q.1	(b)	Introduce following term		04									
	1	Kanban											
	2	Master Production Schedule (MPS)											
	3 4	Materials Requirement P Capacity planning	ianning (MRP)										
	-	capacity praiming											
Q.1	(c)	Calculate the breakeven po	int for a food indus	try		data:	07						
		Capacity:	1.5 ton/hour		Production efficiency:	85%							
		Raw material cost:	Rs. 10,00,000/- per working day		Water charges:	Rs 23000/- per working day							
		Fixed cost:	Rs 9,00,000/- per year		Energy charges:	Rs 28,000/- per working day							
		Maintenance: (including miscellaneous expenditure)	Rs 2,50,000/- per year.		Working hours:	12hour/day							
		Maximum sale price:	Rs 85,000/- per		Salary of	Rs 2,50,000/-							
	ton; permanent staff: per month												
		70	_				03						
Q.2	(a)	•											
	(b)												
	(c)	 (c) Calculate the depreciation value of Form Fill and Sealing machine whose initial cost is 1,80,000/-, salvage value of 10,000/- and life is 8 years by the following methods. I. Straight line method II. Fixed rate of 8% per annum III. Variable rate (first year 6%; second year 9% and third year 12%) 											
OR													
	(c)	What are the different stages of food processing industry? What are the precautions to 07											

be taken during teething stage?



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Q.3	 (a) Fixed rate of depreciation is not considered in food processing industry. July (b) Write a brief note on the followings. i) NABARD ii) SEEUY 									Justify t	he state	ment.	03 04		
	(c)	,													
Q.3	(a) (b)	Enlist the characteristics of an entrepreneur. Write a brief note on the followings. i) Working capital ii) TCO										03 04			
	(c)	, , , , , , , , , , , , , , , , , , ,													
Q.4	(a) (b)	1 7												03 04	
	(c)	Discuss the factors affecting choice of manufacturing system for an organization. 07													
Q.4	(a) (b) (c)	What are ways to improve productivity of an organization? Briefly highlight on ABC Analysis of inventories. Categorize the following items and comment on their inventory categorization with ABC analysis.												03 04 07	
			No.	1	2	3	4	5	6	7	8	9	10		
			Annual usage	19	9	84	50	125	44	3	7	1000	5		
			Cost per unit (Rs)	840	81	120	25	5	6	1500	200	2.5	80		
Q.5	(a)	Store is	s the hear	rt of m	ateria	ls man	ageme	ent sys	tem. J	ustify.					03
	(b)		lo you un								cance.				04

Q.5 (a) Define forecasting. State the importance of forecasting.(b) Differentiate between production planning and production control.

manufacturing systems.

04

03

(c) Explain the graphical representation of recorder level, recorder quantity and safety stock for independent demand purchases.

(c) Classify manufacturing systems. Highlight on the salient features of each 07

OR
