

School: School of Business & Law

Program/s: MBA

Year: 2nd Semester: 03rd

Examination: End Semester Examination

Examination year: December - 2021

Course Code: MG313

Date: 07/12/2021

Time: 08:30 am to 10:30 am

Course Name: Quality Management

Total Marks: 40 Total Pages: 1

Instructions:

→ Write each answer on a new page.

→ Closed book examination. Only case study printout is allowed.

→ Use of calculator is allowed.

Q. No.				Details			Marks	COs*	BTL
Q.1	A) What is Kaizen? List down the possible parameters for generating Kaizen. B) Write a short note on 7 wastes from Lean Management with examples.					8	CO1, CO2	BT1, BT3	
Q.2	One of the stages in the process of making denim cloth at the Southern Mills Company is to spin cotton yarn onto spindles for subsequent use in the weaving process. Occasionally the yarn breaks during the spinning process, and an operator ties it back together. Some number of breaks is considered normal; however, too many breaks may mean that the yarn is of poor quality. In order to monitor this process, the quality-control manager randomly selects a spinning machine each hour and checks the number of breaks during a 15-minute period. Following is a summary of the observations for the past 20 hours: USE this formula: UCL = $\overline{c} + z\sqrt{c}$								
		Sample	LCI. = $\overline{c} - z\sqrt{c}$ Number of Breaks	Sample	Number of Breaks		8	CO1,	BT2,
*		1	3	11	DIVIKS J		0	CO2	BT3, BT5
		2	2	12	4			-	
	17. 8	3	4	13	6				
		4		14	7				
		5	5	15	8				
		6	3	16	6				
ē .		7	2	17	5				
		8	4	18	7				
		9	0	19	8		2. 2		
		10	2	20	6	1		7	
		CONTRACTOR OF THE PROPERTY OF			900700 2000 X 00000 2000 0000 0000 0000 0	2			
	Construct a c	-chart usin ntrol at any	g 3 sigma limi ztime. (Note: 1	ts for this p	process and indica	ate if the process			
Q.3	was out of control at any time. (Note: Take Z = 3) A) Write a short note on 5S methodology.								
		the six gap			uality Gap model.	Explained any 2	8	CO1, CO2	BT1, BT4

Q.4	Case Study Question: If you were in the position of Anthony Scire, how would you respond to Louann Hulsman's request to implement Six Sigma@ the edge at the Rivermede plant?	8	CO3, CO4	BT1, BT2
Q.5	Case Study Question: What resources would you need to implement Six Sigma@ the edge? What criteria would you use to evaluate the readiness of the Rivermede plant to proceed with the implementation of Six Sigma@ the edge?	8	CO3, CO4	BT1, BT3

***********End of Question Paper******