



CONTINUOUS ASSESSMENT TEST – I - WINTER SEMESTER 2019-2020

Programme Name & Branch:

Course Name Code: MEE1015

Course Name: Total Quality Management and Reliability

Faculty Name(s): Prof Srinivasan Narayanan& Prof. S. Senthil Kumaran

Class Number(s): VL2019205002630/VL2019205002576

minsMaximum Marks:50

Exam Duration:90

General instruction(s): Answer all questions

1.	Question								
	Imagine that you are CEO of small and medium scale industries and you have been asked to implement a TQM philosophy for your business. How do you start? (10 marks)								
2.	How to achiev	1							
3.	Which method/techniques do you apply the								
4	The length of interval. The	length of the metal component is measured in mm at particular val. The subgroup and samples sizes are 25 and 4 respectively.							
	Sub group	X ₁	X ₂	X3	X4	ching It On Telegram App.			
	1	6.35	6.4	6.32	6.37				
	2	6.46	6.37	6.36	6.41				
	3	6.34	6.4	6.34	6.36	1			
	4	6.69	6.64	6.68	6.59				
9	5	6.38	6.34	6.44	6.4	1			
	6	6.42	6.41	6.43	6.34	1			
	7	6.44	6.41	6.41	6.46	7			
	8	6.33	6.41	6.38	6.36				
	9	6.48	6.44	6.47	6.45				
	10	6.47	6.43	6.36	6.42				
	11	6.38	6.41	6.39	6.38		1 1 1 1		
	12	6.37	6.37	6.41	6.37				
	13	6.4	6.38	6.47	6.35		1		
	14	6.38	6.39	6.45	6.42		1 1 1 1 1 1		
	15	6.5	6.42	6.43	6.45				
	16	6.33	6.35	6.29	6.39		121 2149		
	17	6.41	6.4	6.29	6.34				
	18	6.38	6.44	6.28	6.58				
	19	6.35	6.41	6.37	6.38				
	20	6.56	6.55	6.45	6.48				
	21	6.38	6.4	6.45	6.37				
	22	6.39	6.42	6.35	6.4		MELL TE		
	23	6.42	6.39	6.39	6.36				
	24	6.43	6.36	6.35	6.38				
	25	6.39	6.38						
	20	0.39	0.30	6.43	6.44				

	A ₂	D ₄	D ₃		
Calculate the follow	0.729	2.282	0	. \	
(i) mean and range (ii) state whether the (25 marks)	charts w	ith its value s is under s	s tatistical control or	not	