## M.Tech. 2nd Semester (MAE) CBCS Scheme Elective-I Examination, May-2017 QUALITY CONTROL TECHNIQUES Paper-MTMA22D1

Time	allo	wed: 3 hours ]	[ Maximum mar	ks : 100
Note		ttempt <b>fi</b> ve questions o <b>mpulsory</b> . Attempt of		
1.	Describe the following:			
	(a)	Fixation of Control 1	imits	5
	(b)	Trial of Control limi	ts	5
	(c)	Varying Control limi	ts	5
	(d)	Quality level.		5
		Unit-	-I	,
2.		Describe the Type I and Type II errors, with the help of uitable example.		
3.		What variation occurs while making a control chart uring performance evaluations. 20		
		Unit-	<b>-II</b> .	
4.	Explain the upper and lower specification limits and control limits in quality control techniques. 20			
5.		that are the methods of grouping or sub grouping and ontrol chart parameters.		
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## Unit-III

6.	Explain the ARL and the cumulatives sum and varying			
	cont	20		
7.	Explain control charts for attributes P, chart, N, chart.			
	in detail.		20	
		Unit-IV		
8.	(a)	What are the curves occurss while r	naking the	
		readings?	10	
	(b)	Explain acceptance sampling.	10	
9.	Explain the following:			
	(a)	AOQ	10	
	(h)	ACCOT	10	