NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

Dept. of Metallurgical and Materials Engineering (MME)

Question paper for **Semester Examination**

B.Tech. VIII Sem. (multiple branches) and B. Tech. (MME) - VI Sem.

	MT 458 INTRODUCTION TO QUALITY MANAGEMENT			(Global Elective) (G slot)	
	Wednesday, May 7, 2014	2:00 pm –	- 5:00 pm	Max. Marks: 50	
1. (a)	Write <u>short notes</u> on: Quality Policy (b) Quality Aud	lit (c) QA	(d) TQM	(e) PD	(10) OCA
2. (a)	Write short notes on the following: Bath Tub Curve (b) ZD	(c) Variance	(d) Warning Limits	(e) Process Ca	(10) apability
3.	Compare and contrast the philosophic Crosby. Emphasis may be placed or hypotheses wherein one disagrees with	n hypotheses wh			
	(a) List two advantages and two disadventure Describe, briefly, how Operating Chara Indicate, briefly, why cumulative Poisso	acteristics (OC)	Curves, for single sa		(2) constructed (8)
5. (b)	(a) <u>Differentiate</u> between quality and relations considering yourself as a member of the sigma project which will benefit the cort cost savings. The project should not be short write – up indicating the nature of improvement and projected savings / be	ne NITT commur mmunity / society e confined to eng f your project, pro	at large, with associneering skills (such esent level of quality	iated quality impro as machine design)	vement and . <u>Provide a</u>

Proposed methodology for evaluation of answer sheets: (considering the unreasonably large class size)

- \$ Scheme of valuation / metrics will be provided to a team of MTech / PhD students, for valuation of answer sheets.
- \$ Emphasis (for valuation) will be placed on key phrases / schematic provided (by students) in the answers.
- \$ After valuation by cited team, the teacher intends to check nearly twenty answer scripts with very high marks and another twenty answer scripts with very low marks.

BEST WISHES.

SRS / 458 QM / End Semester / May 4 2014 / 360 i