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/ T	JAWAHARLAL NEHRÙ TECHNOLOGICAL HAUVEDSHIV HANDEN	13						
	B. Tech IV Year II Semester Examinations, April - 2018 TOTAL QUALITY MANAGEMENT	ABAD / ' \						
Time: 3 hours (Mechanical Engineering)								
-7 \\\^\\\	lax. Marks: 75							
/ / /	Part A is compulsory which carries 25 marks. Answer all questions in Pacconsists of 5 Units. Answer any one full question from each unit. Each question marks and may have a, b, c as sub questions.	on carries 10						
e as i	PART - A							
1.	Write briefly on the following:	(25 Marks)						
/K	a) Attitude of top management towards TOM. b) Acceptance sampling.	[2]						
	c) Quality by giving suitable examples. d) Pitfalls of Benchmarking	[2]						
	e) Kepner and Tregoe Methodology. f) Systems approach.	[3] [2]						
(****	g) Pareto principle	[3] [2]						
/K	h) Quality Management. i) Importance of ISO certification.	[3] [2] [3]						
	j)/ISO around the world.	[3]						
	PART - B							
2.a) b)	What is the role of process and product control on quality?  List and discuss about Variable control charts.	(50 Marks)						
/ <del>  \</del> 3.		[5+5]						
	A Textile Manufacturer wants to set up a control Chart for irregularities (Exstrains, shop soil, loose threads and tears) per 100 square meters of Carpet. The data were collected from a sample of Fifteen 100 square meters of Carpet.	kample, oil						
	Sample 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15							
process.	Using the data set up a C-chart and commend Al.							
72	Using the data set up a C-chart and comment. Also comment on the state of the the next five samples had 15,18,12, 22 and 21 irregularities.	process if						
4.	Construct a Pareto chart for the following data.	[10]						
	Type of defect Cracks Fittings illumination in power problems	[10]						
no.	Frequency   85   305   180   65   265							
(5.a) (b)	Discuss about buyer-supplier relationships towards building quality.  What is Benchmarking? What are its benefits?							
· · · · · · · · · · · · · · · · · · ·	what are its benefits?	[5+5]						
7R .	7R 7R 7R 7R 7R	7P						

7	a) Write a no b) Discuss: So a) List and dis to b) To what ex a) What are di What is the b) What is cos: a) How do you	te on Systems aptratification, che scuss various content accounting ifferent quality consefulness of indetail standards of tof ISO certificated document service document service.	or proach to TQM. ck sheet, Scatter of sts of quality system contribute OR costs? How do you formation on qua	diagram. in building qualiumeasure? lity to manageme	nt?	[5+5] [5+5] [5+5] [5+5] [5+5]
7R	7R	7 <b>P</b>	00O00- 		70	70
			, , , , , , , , , , , , , , , , , , ,			
72	72	7R	72	7R	7R	7R
78	7R	72	78	7 R	79	72
78	ZP.		72	<sup>1</sup> 7	7R	7R
<b>7</b> R	7R 1	7 R	7R	72	7R	7R