Total No. of Questions: 10]						
P3292		[5461]-511				
		B.E. (Civil)				
		TQM & MIS IN CIVIL ENGINEERING (401005 C)				
	(2015 Pattern) (Semester - I) (End sem.) (Elective - II)					
		½ Hours] [Max. Marks : 70 ions to the candidates :				
Insu	ucu 1)	All questions are compulsory.				
	<i>2)</i>	Figures to the right indicates full marks.				
Q1)	a)	What are the various barriers affecting on the implementation of TQM in construction sector? [4]				
	b)	Explain the contribution of any two QM Gurus highlight their views regrading Quality? [6]				
		OR OR				
Q2)	a)	'Workman ship is important parameter of quality work', comment. [4]				
,	b)	List out any four quality control tools and explain any two in detail. [6]				
<i>Q3</i>)	a)	Write a note on Six Sigma in construction with respect to its advantages and limitations. [5]				
	b)	What are the contents of quality manual? Describe its structure. [5]				
	,					
		OR				
Q4)	a)	Enlist the principle of ISO 9001 and Explain any two? [5]				
	b)	What is Six Sigma? Explain their certification levels. [5]				
Q5)	a)	How the benchmarking is important role in TQM? [6]				
Q 3)	b)	Describe the main features and process of Quality Circle. [6]				
	c)	Explain the flow of cost of quality. How it will be affect any construction				
		project? [6]				
		OR				
06)	a)	Explain with Example CONQAS. [6]				
Q6)	b)	Explain with Example CONQAS. [6] What do you mean by Quality Circle? List out its benefits. [6]				
	c)	Write a note on CIDC-CQRA Certification? [6]				
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Q7)	a)	Explain with Example 5 S techniques?	6]		
~ /	b)	What are the four elements of Zero defects explain with a suitable exampl	_		
	,	. ()	6]		
	c)		4]		
		OR			
Q8)	Wri	te a note on (Any four)	5]		
	a)	FEMA.			
	b)	Jamuna lal bajaj award			
	c)	Zero defect			
	d)	Rajiv Gandhi National Quality Award			
	e)	Malcolm Baldrige National Quality Awards			
00)	`		(1		
Q9)			6] 5 1		
	b)		5] 51		
	c)	What is meant by MIS? List out its objectives.	5]		
		OR			
Q 10	()a)	Explain advantages and limitations of MIS in implementation of	n		
210	<i>)</i> (1)		6]		
	b)	Construction activities will effectively managed by using MIS, Justify.[5]		
	c)	Differentiate between data and Information.	5]		
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