Tota	l No.	o. of Questions : 8] SEAT No	o. :			
P3:	537	7 [To	tal No. of Pages : 2			
		7 [5560] \$89 T.E. (Computer Engineering)				
SOFTWAREENGINEERING						
(2012 Pattern) (Semester - II) (310252)						
	(2012 1 att.) ii) (310232)					
Time: 2½ Hours]			[Max. Marks : 70			
Insti		tions to the candidates: Solve question number I or 2,3 or 4,5 or 6 and 7 or 8.				
		Neat diagram must be drawn whenever necessary.				
		Figures to the right indicate full marks.	0-			
	<i>4)</i>	Assume Suitable datas if necessary.	<i>3</i>			
		0, %				
<b>Q</b> 1)	a)	What is software engineering? What are the characteristic	cs of software?[6]			
	b)	· · · · · · · · · · · · · · · · · · ·				
	ŕ	and Explain interface design element.	[7]			
	c) (	What is the fundamental difference between the struct	ured analysis and			
	2	v object oriented strategies for requirements analysis.	[7]			
<b>Q</b> 2)	a)		*			
		phases. What are the advantages of iterative developm	ent? [7]			
	b)		oehavioral model			
		represents?	[7]			
	c)	Explain the quality attributes, considered in software d	esign.			
<i>Q3</i> )	a)	What do you understand by the term integration testing	? Which types of			
•	,	defects are uncovered during integration testing.	[6]			
	b)	b) Distinguish between	[6]			
		i) alpha testing and beta testing	·			
		ii) Verification and validation				
	c)	e) Describe User Interface Testing, Positive testing and Na	gative testing.[5]			
		OR OR				
Q4)	a)	a) Explain Boundary value analysis testing and orthogonal	Array testing.[6]			
	b)	b) Explain System testing and regression testing?	[6]			
	c)		dule. Justify with			
		example.	[5]			

*P.T.O.* 

Q5)	a)	Explain COCOMO II model.	[6]	
	b)	List the four P's of software project management spectrum	-	
		how "the people" factor contributes towards the success of the		
	- )	project.	[6]	
	c)	Explain the decision tree for make/buy decision.	[5]	
		OR		
<i>Q6)</i>	a)	Explain project scheduling? What are the basic principles of scheduling?	of project [6]	
	b)	Discuss time line chart? Explain with suitable examples.	[6]	
	c)	Explain kisk identification? What are the different categories of	frisks? <b>[5]</b>	
<b>Q</b> 7)	a)	Explain Service-oriented architecture?	[5]	
	b)	What is OCL? Where it is used?	[5]	
	c)	Discuss architectural patterns in detail?	[6]	
		OR OR		
Q8)	a) \	What is client server computing? Explain	[5]	
	b)	Explain ISO 9126 Quality Factors.	[5]	
	c)	Describe the formal methods for software development?	[6]	
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