B.E.Sixth Semester (Computer Science & Engineering) (C.B.S.) Software Engineering & Project Management

Time : Three Hours			* 0 6 8 0 *			Max. Marks : 80	
	Notes	s: 1. 2. 3. 4. 5. 6. 7. 8. 9.	. Illustrate your answers whe	tions No. tions No. tions No. tions No. tions No. estions No neatness ever nece	2. 4. 6. 8. 10 12. and adequate dimensions. ssary. essary with the help of neat sketches.		
1.	a)	a) Explain the concept of software Engineering, also explain its characteristic in brie					
	b)	Expla	in the software process framev	work.		6	
				O	R		
2.	a)	Define. i) The waterfall model.					
		ii) I	Evolutionary process model.				
	b)	Explain software Engineering as a layered technology.					
3.	a)	Write	short notes on product Engine	ering.		7	
	b)	Explain system Engineering process in brief.					
	,	1	, , ,	0	R	7	
4.	a)	Describe the process of modeling practices used in software engineering.					
	b)	Explain Business process Engineering hierarchy.					
5.	a)	List & explain the process of Requirement analysis.					
	b)	What do you mean by data modeling? Explain.					
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6.		Write	short notes on any three.		-	13	
		i) I iii) S	Design model. Scenario-based modeling. Pattern-based software design.	ii) iv)	Design Engineering concepts. Object-oriented analysis.		

7.	a)	Differentiate between write box testing & Black box testing.			
	b)	What is cyclomatic complexity, how it is computed?	6		
		OR			
8.	a)	Write short notes on Alpha testing & Beta testing.	7		
	b)	Explain Integration testing & validation testing in brief.	7		
9.	a)	Write short notes on software Quality & explain different factors available to measure quality of software.			
	b)	What are the various quality factors used to measure software quality?	7		
		OR			
10.	a)	Explain the process metric in brief.	4		
	b)	Write notes on function point metrics. Also state its advantages & disadvantages.	5		
	c)	What is metrics, measures & Indicators?			
11.	a)	Explain the process of software Reengineering.	6		
	b)	Write short notes on software project estimation techniques.			
		OR			
12.		Explain any three.			
		i) Risk management.			
		ii) Quality management.			
		iii) Project scheduling.			
		iv) Change management.			

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