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## SARDAR PATEL UNIVERSITY

BCA (V Semester) Examination Thursday, 19 March 2015 10.30 am – 1.30 pm US05CBCA03 - Software Engineering

Total Marks: 70

Q-1		Select the appropriate op	tion for following questions:	10
	1	model reduce the first two limitations of Waterfall model		
		A Spiral	B Prototype	
		C Iterative enhancement	D Waterfall	
	2	is the collection of computer programs, procedures and data.		
		A Hardware	B Software	
		C Network	D Engineering	
	3	model provide	les better risk management and cost of each phase.	
		A Spiral	B Prototype	
		C Iterative enhancement	D Waterfall	
	4	A high quality SRS reduces the development		
		A Time	B Customer requirements	
		C Cost	D Quality	
	5	COCOMO stands for:		
		A Construction Cost Mode	l B Constructive Cost Model	
		C Constructive Code Mode	el D Calculated Cost Model	
	6	is the method to identify the Risk		
		A Risk Identification	B Risk Analysis	·.
		C Risk Assessment	D Risk Control	
	7	Which of the following is	a tool in design phase?	
		A Abstraction	B Refinement	
		C Information Hiding	D All of them	
	8	Most common method for	designing algorithm is	
		A Object refinement	B Procedural refinement	
		C Step wise refinement	D All of them	
	9	In structured design methodology the hierarchy of modules is represented by the		·
		A flow chart	B PERT chart	
		C Gant chart	D structure chart	
	10	A failure is produced only when there is a in the system.		
			B bug	
		C fault	D problem	

Q-2		Give short answers of the following questions: (ANY TEN)		
	1)			
	2)	Write a short note on requirement analysis phase.		
	3)			
	4)			
,	5)			
	6)	Write a short note on Cost schedule - Milestone Graph.		
	7) Differentiate between Coupling and Cohesion			
	8)			
	9)			
	10)			
	11)	What do you mean by information hiding?		
	12)	List at least 4 general rules of programming style.		
Q-3		Explain Waterfall model with its advantages and limitations.	10	
		OR		
Q-3		Explain all phases of software development.	10	
Q-4	A	Explain COCOMO Model.	6	
	В	Explain general characteristics of SRS.		
		OR		
Q-4	A	What you mean by SRS? Explain Components of SRS.		
	В	What are the needs of SRS?	4	
Q-5	A	Write a short note on Logic/Algorithm design.	5	
	В	Write a short note on PDL.	5	
		OR		
Q-5	A	Discuss the basic principles of design in detail.		
	В	Write a short note on Coupling.	4	
Q-6	A	Explain the Top-Down and Bottom-Up approach in coding.	5	
-	В	Explain the structured programming used in coding.		
		OR		
Q-6	A	Explain the levels of testing.		
-	В	Differentiate between Functional testing and Structural testing.	4	

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