Student	Exam	No:	
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GANPAT UNIVERSITY B. TECH. SEMESTER – VI COMPUTER ENGINEERING/INFORMATION TECHNOLOGY REGULAR EXAMINATION MAY/JUNE - 2012 CE606/IT606: SOFTWARE ENGINEERING

TIME:-3 HOURS

TOTAL MARKS: 70 Instructions: 1. Figures to the right indicate full marks. 2. Each section should be written in a separate answer book 3. Be precise and to the point in your answer. SECTION -Q-1. Answer the following Questions. Explain phase containment of error principle with example (A) [3] What is Traditional design approach? Explain it in Brief. (B) [3] Explain Iterative waterfall model with some real time IT products examples. [6] OR Q-1. Answer the following Questions. (A) Explain about Spiral Model with some real time IT products examples [6] Compare all the different lifecycle models. [6] Q-2. Answer the following Questions. (A) Discuss about Constructive Cost Model in Brief. [6] What is Risk Management? Explain different type of risks with the help of example. [5] OR Q-2. Answer the following Questions. (A) What are the characteristics of Good SRS document? Explain all the type of qualities of good SRS. [6] What is a good software design? Explain all the type of qualities of good software design. [5] Q-3. Answer the following Questions. Assume that the software firm wants to develop a Web browser, software has been estimated to [6] be 32,000 lines of source code. Determine the effort required to develop the software product and the nominal development time? (B) List out the important items that a Software Project Management Plan document. [6]

SECTION - II

Q-4.		Answer the following Questions.	
	(A)	Explain following features of high cohesion and low coupling.	[6]
		1)Error Isolation	
		2)Scope for reuse	
		3)Understandability	
	(B)	What is Coupling? Explain it in brief with Example.	[6]
		OR 2000 L	
Q-4.		Answer the following Questions.	
	(A)	Explain evolutionary model with some real time IT products examples	[6]
	(B)	What is the difference between White-box testing and Black-box testing? Explain Black-box testing	[6]
		in detail.	
		Be A son a the reserve to the Bender Book -	
Q-5.		Answer the following Questions.	
	(A)	For the following given C program draw the Control Flow Graph.	[6]
	(,,,	int function (int z)	
		(A) parametric segula nisigial (A)	
		While(z!=0)	
		HER ELECTION OF THE STATE OF TH	
		If(z>100) may replace the method and the list state of the list st	
		Printf("value of z is greater than 100");	
		Else	
		The Manual Mail and Spiral Mail of the Manual Spiral Mail and Andread Mail And Andread Mail Andread Mail Andread Mail Andread Mail Andread Mai	
		Printf("value is less than 100");	
		Z;	
		Table 1 and	
		return 0;	
		(B) What is Rick Management? Explain different type of my anni your of exemple.	[2]
	(B)	What is McCabe's Cyclomatic Complexity Metric? Explain it with the help of example	[3]
	(C)	Give the proper definition of Software Engineering.	[2]
		OR	
Q-5.		Answer the following Questions.	[6]
	(A)	Differentiate Unit testing and Integration testing also explains following techniques as well.	[6]
		1)Big bang integration technique	
		2)Top down integration technique	[2]
	(B)	Explain Expert judgment Technique.	[3]
	(C)	What are the Disadvantages of LOC?	[2]
Q-6.		Answer the following Questions.	[6]
	(A)	Discuss about following Term:	[0]
		1. Alpha testing 2. Beta testing 3. Acceptance Testing. The state of t	[3]
	(B)	What is Software Reliability? Compare the Software vs. Hardware Reliability	[3]
	(C)	What are the disadvantages of basic COCOMO model?	[-]