END TERM EXAMINATION

FOURTH SEMESTER [BCA], MAY - 2011

Paper Paper		On the part to the profit of the profit of the part of	Subject : Software Engineering Maximum Marks: 75				
Time:	3 Ho	ours Maximum Marks:					
Note:	Ques	stion 1 is compulsory. Attempt remaining questions as per choices given.					
Q. 1.	Atte	empt all questions: (5×5=	(5×5=25)				
	(a)	What is modularity? List the important properties of a modular system.					
	(b)	What are curcial process steps of requirement engineering? Discuss with the help of a diagram.					
(41)	(c)	What is risk exposure? What techniques can be used to control each risk?					
	(d)	What is software testing? Discuss the role of software testing during software life cycle and why is it so difficult?					
	(e)	Define software metrics. Why do we really need metrics in software?					
Q. 2.	Atte	empt any One of the following:					
	(a)	What is the aim of software engineering? What does the discipline of software engineering discuss?	(6)				
	(b)	Describe spiral moods in sealing (1711)	(6.5)				
		OR and college account side week (e)					
1	(a)	Compare iterative enhancement model and evolutionary process model.	(6)				
	(b)	What do you understand with the term "requirements elicitation"? Discuss any TWO techniques in detail.	(6.5)				
Q. 3.	Atte	empt any One of the following:					
(2,5)	(a) (b)	Describe any two software size estimation techniques.	(6)				
	(0).	에 보게 되고 있었다면 이 그 없는 보다 보고 있다. 프로젝터 아들이 있는 사람들에는 있어서 사람들이 이 등 모든데 이 모든데 가고 다고 보고 있다면 보이는 것이고 보니 이 모든데 다.	(6.5)				

		UK TANK TOK							
	(a)	Explain briefly Putnam Model. I)esci	ribe the	trade-off between tim	ne			
		versus cost in Putnam resource a				(4.5)			
	(b)	What is risk? Is it economical to				(3)			
	(c)	s at a least for a project with the following							
1	(0)	A craftisment it I and	eanO : Ones						
		information domain characterists. Number of user inputs	=	24					
		Number of user outputs	=	65	energiani di tan				
		Number of user enquiries	=	12					
		Number of files	=	12					
		Number of external interfaces	=	4					
		Assume that all weighting and com	plex	ity adjust	ment values are moder	rate. (5)			
Q. 4	4. Atte	empt any One of the following:			DROOM VALUE OF SELVE				
	(a)	- Which design strategy is (6)							
		most popular and practical?							
	(b)	What are the various categories	of s	oftware	metrics? Discuss with	h (6.5)			
	(0)	the help of suitable example.							
		Ol	R		an ar years with the				
		What are software metrics? Des		e data st	ructure metrics.	(6)			
	(a)	Define module coupling and ex	nlai	n differe	nt types of coupling.	(6.5)			
	(b)	Define module coupling and ex	pian	II differe	in types of coupling.				
Q.	5. Att	empt any One of the following:	A443	NG DE CE	DEFERRE STRAINE 30				
	(a)	What are the various kinds of functional testing? Describe any One in detail. (6)							
	(b)	Describe various maitenance co	ost e	stimatio	n models.	(6.5)			
		OI							
	(2)	Describe various categories of maintenance.							
	(a)	Which category consumes max	imu	m effort	and why?				
		Willest Category consumes man	0.100	idian of	bree numbers. Its inn	ut is (5)			
	(b)	Consider the program to find th	e me	and z) ar	od values are from inte	erval			
		a triple of positive integers (say	A, y	anu z) an	test cases.	MA LE			
		[100, 500]. Generate boundary	y and	1 TOUGH	How is it done?	(2.5)			
	(c)	What is the purpose of integral	tion	testing!	tion is it none:	(2.5)			

(4:4)