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CST-204

Advanced Diploma in Information Technology (ADIT) / Bachelor in Information Technology (BIT)

Term-End Examination 9

December, 2010

CST-204: ADVANCED TOPICS IN SOFTWARE ENGINEERING

Time: 3 hours

Maximum Marks: 75

There are two sections in this paper. Section-A is Note: compulsory, Question number 1 to 10 carry 1 mark each. Ouestion number 11 to 14 carry 5 marks each. Answer any three questions from Section-B. Each question of Section-B carries 15 marks.

SECTION - A

- of the software engineering process 1. 1 include cost and effort applied.
 - Indirect measures (a)
 - (b) Direct measures
 - Maintenance Phase (c)
 - (d) None of the above

2.		functionality delivered by the application as a normalization value.		
	(a)	Formation oriented		
	(b)	Size oriented		
	(c)	No		
	(d)			
3.		ware Project management begins with a set activities that are collectively called	1	
	(a)	Project planning		
	(b)	SQA		
	(c)	Effort estimation		
i	(d)	None of the above		
4.	_	As project size increases, the among various elements of the software grows rapidly.		
	(a)	independence		
	(b)	interdependence		
	(c)	number of calls		
	(d)	all of the above		

, 5.		is measured by the degree of	1
		ertainty in the quantitative estimates blished for resources, cost, and schedule.	V
	(a)	Quality	
	(b)	Risk	
	(c)	Storage Complexity	
-	(d)	None of the above	
6.		describes the data and control to be	1
	•	cessed, function, performance, constraints, rfaces, and reliability.	
	(a)	Software Scope	
	(b)	Function point	
	(c)	LOC	
	(d)	None of the above	-
7.		is a software estimation model.	1
	(a)	Water fall model	
	(b)	Spiral model	
	(c)	СОСОМО	
	(d)	All of the above	

8.		is a pr	oject scn	eduling methods.	7		
	(a)	PERT					
	(b)	CPM					
	(c)	Both (a) and	(b)	e e			
	(d)	None of the	above				
9.		may b	e defined	as a characteristic or	1		
	attri	bute of sometl	ning.				
	(a)	Quality	(b)	Quantity			
	(c)	Design	(d)	Analysis			
10.	mar	nagement con nge without s	cept tha	ware configuration thelps us to control impeding justifiable	1		
	(a)	baseline	(b)	program			
•	(c)	project	(d)	None of the above			
11.	Exp	lain Cyclomat	ic Compl	exity.	. 5		
12.		What is a Data Dictionary? What are its advantages?					
13.	Exp	Explain Software Reliability.					
14.	Exp	Explain White Box testing.					
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SECTION - B

	Answer any three questions from this section:	
15.	What is the role of a Systems Analyst? What are the attributes required to become an effective Systems Analyst?	15
16.	Explain Spiral Model, in detail.	15
17.	Explain different phases of Risk Management.	15
18.	Explain the process of estimating the cost of a Software Project.	15