ROLL NO

Code: DC65 Subject: SOFTWARE ENGINEERING

Diplete - CS (NEW SCHEME)

Time: 3 Hours JUNE 2012 Max. Marks: 100

PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.

Q.1	Choose the correct or the best alterna	ative in the following:	(2×10)
	a. Product is		
	(A) deliverables(B) user expectations(C) organisation's effort in developm(D) none of these	ment	
	b. Which is not a process metric?		
	(A) productivity(C) quality	(B) functionality(D) efficiency	
	c. Management of software developme	ent is dependent on	
	(A) people(C) process	(B) product(D) all of these	
	d. Software engineering approach is used to achieve:		
	(A) better performance of hardware(C) reusable software	(B) error free software(D) quality software product	
	e. Project risk factor is considered in		

(C) spiral model

(A) waterfall model

(B) prototyping model

(**D**) iterative enhancement model

f. RAD stands for

(A) Rapid Application Development (B) Relative Application Development

(C) Ready Application Development (D) Repeated Application Development

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	g.	SRS document is for			
	(A) "what of a system"?(B) How to design the system(C) costing and scheduling of system(D) system's requirement				
	h.	h. Outcome of requirement specification phase is			
		(A) design document(C) test document	(B) software requirement specification(D) none of these	L	
	i.	Context diagram explains			
		(A) the overview of the system(C) the entities of the system	(B) the interview view of the system(D) the process view of the system		
	j. A system that does not interact with external environment is called				
		(A) closed system	(B) logical system		
		(C) open system	(D) hierarchical system		
Answer any FIVE Questions out of EIGHT Questions. Each question carries 16 marks.					
Q.2	a.	Define software engineering. How a	program is different from software?	(8)	
	b.	What is software life cycle? Discus	s any software process model.	(8)	
Q.3	a. Justify the statement "Requirement analysis is a very important activity after elicitation". Show its steps with a block diagram. (8)				
	b.	b. Write all the four steps of requirement analysis. (8)		(8)	
Q.4	a.	 a. Explain why the rapid delivery and development of new systems is often more important to business than the detailed functionality of these systems. 			
	b.	Write about the Agile approach as a	basic strategy for developing software.	(8)	
Q.5	a.	a. What do you mean by modularity in software design? Write about desirable properties in a modular system. (8)			
	b.	Discuss various types of module co	upling.	(8)	

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- Q.6 a. Differentiate between object oriented analysis and object oriented design. (8)
 - b. What are the major technical and non-technical factors that hinder software reuse? Do you reuse much software and if not, why? (8)
- Q.7 a. Discuss in detail the User interface Prototyping with respect to user interface design. (8)
 - b. What is meant by a component and a component model? What are all the principal activities involved in CBSE process? (8)
- Q.8 a. Prepare a list of items which can be used to frame a sample checklist to verify any software. (8)
 - b. Give details of component testing of a software. (8)
- Q.9 a. Define Configuration management and Enumerate the various activities of configuration management. (8)
 - b. Write short notes:-
 - (i) Software versions control
 - (ii) Change control management

 (2×4)