Diplete - CS

DECEMBER 2012 Time: 3 Hours

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.

- Ouestion 1 is compulsory and carries 20 marks. Answer to 0.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the O.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

Q.1	Choose the correct or the best alternative in the following:			(2×10)
	a.	help employees create and share documents that support day-to-day office activities.		
		(A) Decision support systems(C) Communication systems.		
	b. The person who specialists in networking and telecommunications ted who design, install, configure, optimize, and support local and networks.			-
		(A) Graphic artists(C) Web architects	(B) Network architects(D) Technology specialists	
	c. The utility software that is in between application software and systems sof is known as			tware
		(A) Middleware(C) Human ware	(B) ADE(D) Interface	
	d. Which design emphasizes the drawing of pictorial system models to documer the technical or implementation aspects of a new system?			ıment
		(A) Model-driven design(C) Event-driven design	(B) Modern-structured design(D) Object-oriented design	
	e. Which of the following tools are used in SASD?			
		(A) DFD (C) HIPO	(B) CASE (D) All of these	

Code: DC59

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		ROLL NO.	8			
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f.	Which menu uses pictures to reprewindow?	esent menu options in the main body	y of the			
	(A) Pop-up menus(C) Iconic menus	(B) Pull-down menus(D) Cascading menus	13			
g.	defines the minimum and maximum number of occurrences of one entity that may be related to a single occurrence of the other entity.					
	(A) Cardinality(C) Parent entity	(B) Degree(D) Recursive relationship				
h.	A models the life cycle of a single object.					
	(A) State transition event(C) Design class diagram					
i.	A structured chart					
	 (A) shows module inter-relationship (B) describes the internal structure of (C) is a graphical representation of s (D) depicts data structures in the for 	of a program in a graphical manner. structured English.				
j.	OLTP stands for					
	(A) Online testing plan(C) Online transaction processing	(B) Online transaction plan(D) Online testing processing				
	Answer any FIVE Questions Each question ca	_				
a.	Define Information System? Who system? Discuss their roles.	are the typical stakeholders in an info	ormation (6)			
b.	Explain the different classes of Info	ormation System Applications.	(10)			
a.	What are the basic ideas of RAD? Give some advantages and disadvantages of RAD approach. (8)					
b.	Describe Capability Maturity Mode	el (CMM) for quality management.	(8)			
a.	±	is? Describe the two different technic Give examples for both techniques.	ques for (7)			

Q.2

Q.3

Q.4

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- Student Bounty.com b. What is the purpose of Scope Definition Phase? List the five tasks you do in scope definition phase.
- c. Write short note on Business Process Redesign (BPR).
- Q.5 a. Briefly, describe the Use-case modeling techniques. List the benefits that are provided by use-case modelling.
 - b. Describe some criteria that makes a good Data model? **(6)**
- a. Today many analysts and designers prefer prototyping a modern engineering 0.6 based approach to design. Describe some advantages and disadvantages of this approach. **(8)**
 - b. What is an activity diagram? Give the guidelines for constructing activity diagrams. **(8)**
- **Q.7** a. Based on the type of computer user, what are the important human engineering factors that can be incorporated into the system designs?
 - b. Distinguish between different types of computer users and design considerations for each.
 - c. What are the "commandments" offered by Galitz to solve the problems of user interface design?
- **Q.8** Define visibility and explain its three levels. **(4)**
 - b. In brief explain the following terms:- (2×3)
 - (i) Entity class
 - (ii) Strategy pattern
 - (iii) Deployment diagram.
 - c. What are the steps required to transform the class diagram prepared in OOA to a design class diagram? **(6)**
- 0.9 a. Identify several system conversion strategies. **(8)**
 - b. What are the objectives of system maintenance? **(4)**
 - c. What are the different types of program restructuring? **(4)**