ROLL NO)	

Subject: ANALYSIS & DESIGN OF INFORMATION SYSTEMS Code: DC59

Diplete - CS (NEW SCHEME)

JUNE 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.

- 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.
- 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 al	Iternative in the following: $(2\times)$	10)	
	a. The first step in the systems de	velopment life cycle (SDLC) is		
	(A) Analysis(B) Design(C) Problem/Opportunity Ident(D) Development and Document			
	·	In the Analysis phase, the development of theoccurs, which is a clear statement of the goals and objectives of the project.		
	(A) Documentation(C) Program Specification	(B) Flowchart(D) Design		
	c. A prototype helps the designer	in		
	(A) Making the programmer un(B) Communicating the user ho(C) Giving a demonstration to (D) Implementing the system v	ow the system will look like and get a feedback. the top management.		
	d. The manage the budget and reporting, and ensur	system development, assign staff, manage the re that deadlines are met.		
	(A) Project managers(C) Graphic designers	(B) Network engineers(D) Systems analysts		
	e. Validation testing is popularly	known as		
	(A) Black box testing.(C) Beta testing.	(B) White box testing.(D) Integration testing.		

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		The following are the most important analyst must have: (i) Knowledge of computer systems (ii) Good interpersonal relations (iii) Broad knowledge about various (iv) Very good accountancy knowledge	organizations
		(A) (i), (iii) and (iv) (C) (i), (ii) and (iv)	(B) (i) and (iii) (D) (i), (ii) and (iii)
	g.	-	s functions in terms of business events, who tem responds to those events is known as
		(A) Object modeling(C) Use-case modeling	(B) Object oriented modeling(D) Data modeling
	h.	Actual programming of software co	ode is done during the step in the
		(A) Maintenance and Evaluation(C) Analysis	(B) Design(D) Development and Documentation
	i.	The determines whether t	the project should go further forward or not.
		(A) Feasibility assessment(C) System evaluation	(B) Opportunity identification(D) Program specification
	j.	The problem statement includes the which lists specific input numbers a program would typically expect the user to enter and precise output values that a perfect program would return for those input values.	
		(A) Testing plan	(B) Error handler
		Answer any FIVE Questions Each question ca	
Q.2	a.	•	nalysis and system design. What is the th respect to information technology? (8)
	b.	What is the framework for informabout knowledge building blocks o	nation system architecture? Explain in detail f information system. (8)
Q.3	a.	Explain scope definition phase of cycle activities.	system development process and cross life (8)

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	Define model driven development. Also Explain the development steps invin detail.	(8)
a.	Explain the essential five tasks that we undergo in scope definition phase.	(8)
b.	Explain in detail about the structured functional requirements and prototype functional requirement tasks that are performed in logical design phase.	e (8)
a.	Why is ranking and evaluating of Use-Cases are essential and also define Use-Case dependencies in brief?	(8)
b.	Define entities and attributes with suitable example.	(4)
c.	What are the three aspects of domain description for attributes?	(4)
a.	What is message & message sending? How one object invokes another object	ect? (6)
b.	Define Polymorphism with some suitable example.	(4)
c.	List all UML diagrams and describe them in brief?	(6)
a.	Explain about Graphical User Interfaces and Menu Driven Interfaces in det	ail. (8)
b.	List and define all the steps involved in User Interface Design phase in deta	nil. (8)
a.	Explain the process of object oriented design.	(8)
b.	Define Object Reusability. Explain in detail about the design patterns.	(8)
a.	Explain about system maintenance and the Bench Mark Program in detail.	(8)
b.	What steps we should undergo to recover an existing physical system?	(8)
	a.b.c.a.b.c.a.b.	 in detail. a. Explain the essential five tasks that we undergo in scope definition phase. b. Explain in detail about the structured functional requirements and prototype functional requirement tasks that are performed in logical design phase. a. Why is ranking and evaluating of Use-Cases are essential and also define Use-Case dependencies in brief? b. Define entities and attributes with suitable example. c. What are the three aspects of domain description for attributes? a. What is message & message sending? How one object invokes another object. b. Define Polymorphism with some suitable example. c. List all UML diagrams and describe them in brief? a. Explain about Graphical User Interfaces and Menu Driven Interfaces in detail. b. List and define all the steps involved in User Interface Design phase in detail. a. Explain the process of object oriented design. b. Define Object Reusability. Explain in detail about the design patterns.