ROLL NO.

Subject: ANALYSIS & DESIGN OF INFORMATION SYSTEMS Code: DC59

Diplete – CS

JUNE 2014 Time: 3 Hours PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER. NOTE: There are 9 Ouestions 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. 0.1 Choose the correct or the best alternative in the following: a. System builders, technology specialists who construct the information system based on the (A) application (B) design specification (C) analysis **(D)** design skills b. ______ are an extension of the business entities, attributes, relationships and rules **(B)** data technology (A) data customer (C) data requirement (D) data books c. Improved productivity is possible _____ (A) through automation of tasks **(B)** documentation (C) reverse engineering (**D**) information flow chart

d. _____ is a technique that focuses on modelling data

(A) object oriented analysis	(B) information engineering
(C) rapid architected analysis	(D) model driven analysis

e. When use case modelling is performed two primary artifacts involved are

(A) Use case diagram and use case narrative

(B) Information and skills

- (C) Database and data models
- (**D**) Object modelling and object technique

Max. Marks: 100

 (2×10)

ROLL NO. _

Code: DC59 Subject: ANALYSIS & DESIGN OF INFORMATION SYSTEMS

	f.	The approach is centered around a technique referred to as object modelling		
		(A) technical oriented(C) object oriented	(B) message oriented(D) system oriented	
	g.	displays a complete screen of characters at a time		
		(A) system(C) pointers	(B) paging(D) user	
	h. The degree to which class is connected to or relies upon other classes is called			called
		(A) sequence(C) coupling	(B) design(D) package	
	i.	Under approach both the old and new systems are operated for some time period		
		(A) parallel conversion(C) staged conversion	(B) location conversion(D) variation conversion	
	j.	A bar chart called is used	l to depict project tasks against a calen	dar
		(A) Flow chart(C) PERT chart	(B) Gantt chart(D) Management chart	
		Answer any FIVE Questions Each question car		
Q.2	a.	Explain important trends in today' with a neat diagram.	s information systems for business d	lrivers (8)
	b.	Who are the stakeholders involved in	n the information systems?	(4)
	c.	Write a short note on role of the netw	vork in information systems.	(4)
Q.3	a.	Explain the software development li	fe cycle with an example.	(8)
	b.	What are the differences between Driven development strategy?	Rapid Application development and I	Model (8)
Q.4	a.	What do you understand by problem	analysis phase, explain.	(8)
	b.	What is system analysis approach?	Explain model-driven analysis approac	eh. (8)

ROLL NO. ____

Code: DC59 Subject: ANALYSIS & DESIGN OF INFORMATION SYSTEMS

Q.5	a.	Explain briefly user-centered development and use-case modelling. benefits of use-case modelling.	Give (8)
	b.	Explain the concept relationships that underlie all data models.	(8)
Q.6	a.	What is object modelling? Explain the process of object modelling.	(8)
	b.	What is object oriented analysis? Explain object class relationships.	(8)
Q.7	a.	Write the user interface design guidelines.	(6)
	b.	Explain question-answer dialogues.	(6)
	c.	What is operating system and web browsers of user interface technology?	(4)
Q.8	a.	Explain the system of object oriented design.	(8)
	b.	Compare the differences between strategy pattern and adapter pattern.	(8)
Q.9	a.	What is system construction? Give detailed explanation of the implement phase.	tation (8)
	b.	Write short notes on any <u>TWO</u> of the following:	
		 (i) system obsolescence (ii) system recovery (iii) technical support 	

(iv) system enhancement (4×2)