Enrollment No: _	Exam Seat No:	_
	C.U.SHAH UNIVERSITY	
	Summer Examination-2017	

Subject Name: System Analysis and Design & Unified Modeling Language

Subject Code: 4TE04SAD1 Branch: B.Tech (CE,IT)

Semester: 4 Date: 11/05/2017 Time: 02:00 To 05:00 Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Ĺ	Attempt the following questions:
(a)	
(b)	·
(c)	What is system evaluation?
(\mathbf{d})	What do you mean by maintenance in Software Development Life Cycle (SDLC)?
(e)	Give the basic difference of Data and Information.
(f)	Define the term intangible benefit.
(g)	What is Structured Analysis?
(h)	What is regression testing?
(i)	What do you mean by relationship in class diagram?
(j)	Why we use fork and join in activity diagram?
(k)	List various structured diagrams of Unified Modeling Language (UML).
(l)	What is white box testing?
(m)	Define the term informal system.
(n)	What do you mean by decision tree?
	our questions from Q-2 to Q-8
2	Attempt all questions
	Write a detailed note on System analyst with various characteristics.
(b)	What is UML? Explain UML with its various model.
3	Attempt all questions
	Explain different types of Information system.
(a)	Explain different types of information system.
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(a)	1 71
(a) (b)	Explain following with suitable example (1) Verification and Validation. (2) Alpha Testing and Beta testing.
(a)	Explain following with suitable example (1) Verification and Validation. (2) Alpha Testing and Beta testing. Attempt all questions



Q-5		Attempt all questions	
	(a)	(1) Explain Association & Specialization in Class Diagram.	(07)
	. ,	(2) Give the differences between End user and Customer.	` ′
	(b)	What is DFD? Explain various rules for leveling of Data Flow Diagram with example.	(07)
Q-6		Attempt all questions	
	(a)	Explain different Fact Finding Techniques.	(07)
	(b)	Explain objectives of Input Design. Prepare Graphical User Interface (GUI) design for	(07)
		E-mail Service Registration and Sign-in page with its constraints.	
Q-7		Attempt all questions	
_	(a)	Discuss in detail Structured Design in SSADM.	(07)
	(b)	What is Decision table? Explain it with suitable example.	(07)
Q-8		Attempt all questions	
-	(a)	Explain Include and Extends & Generalization in Use case diagram with example.	(07)
	(b)	Explain Importance of Layout & Caption in design of system.	(07)

