Enrollment No: _____ Exam Seat No: _____ C. U. SHAH UNIVERSITY Winter Examination-2019

Subject Name: System Analysis and Design & Unified Modelling Language

Subject (Code: 4TE04SAD1	Branch: B.Tech (CE)	
Semester	•:4 Date: 17/09/2019	Time : 02:30 To 05:30	Marks : 70
(2) In (3) D		• •	rohibited.
Q-1	Attempt the following question	ns:	(14)
a)	C)summarizing a DFD to specif	with more sub-processes giving more	re detail
b)	D)make its structure uniformWhich of the following terms be objects?A)Inheritance B)Generalization	est describes an object that is made un C)AggregationD) Class	ip of other
c)	 System Study involves A) identifying current deficience B) documenting the existing system C) study of an existing system D) all of the above 	ies and establishing new goals	
d)			
e)	State model can be drawn for)main object D)All A,B,C	
f)	What is System?		
g) h)	What testing?		
i) j)	How flow chart different than a Difference between fork and joi		
J) k)			
l)	What do you mean by maintena		
m n)) What do you mean by pseudo co What is knowledge?	Jue :	



Attempt any four questions from Q-2 to Q-8

Q-2		Attempt all questions	(14)
	a)	What are types of system? Explain various characteristics of system.	(07)
	b)	Explain various types of users in system.	(04)
	c)	What is information system? Explain.	(03)
Q-3		Attempt all questions	(14)
	a)	What do you mean by structured analysis? Explain SSADM.	(07)
	b)	Draw level-0 and level-1 diagram for student information system.	(07)
Q-4		Attempt all questions	(14)
	a)	What is modeling language? Explain Inception, Elaboration, Construction, and Transition in UML.	(08)
	b)	Draw Use case diagram for online movie ticket booking system.	(06)
Q-5		Attempt all questions	(14)
C	a)	Explain data verification and validation with example.	(04)
	b)	What are rules for data flow in DFD?	(03)
	c)	Explain objectives and design principles of input and output design	(07)
Q-6	,	Attempt all questions	(14)
C	a)	Explain dependency, composition and aggregation in UML Class Model.	(06)
	b)	Draw state and activity diagram for traffic signal.	(08)
Q-7	,	Attempt all questions	(14)
-	a)	Draw class diagram and sequence diagram for online hotel's room booking system.	(10)
	b)	Explain various strategies of testing.	(04)
Q-8		Attempt all questions	(14)
	a)	What do you mean by fact gathering? Explain Interviewing, Questionnaires and Observations.	(07)
	b)	What is physical diagram in UML? Explain various symbol used in physical diagram with example.	(07)

