Enrollment No: _____   Exam Seat No:_____

C.U.SHAH UNIVERSITY
Summer Examination-2019

Subject Name : System Analysis and Design
Subject Code : 4CS03ISA1   **Branch: B.Sc.I.T.**
Semester : 3   Date :18/03/2019   Time : 02:30 To 05:30   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.

Q-1   Attempt the following questions: (14)

  a) What is System?
  b) What is Testing?
  c) What do you mean by system analyst?
  d) What is SDLC?
  e) Define Information System
  f) What is validation?
  g) What do you mean by software?
  h) Define unit testing
  i) What is the purpose of requirement analysis?
  j) What is data dictionary?
  k) What is DFD?
  l) What is verification?
  m) What do you mean by master file?
  n) List various methods of file organization?

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

Q-2   Attempt all questions
  a) Describe SDLC in detail   **(5)**
  b) Explain interview as a fact finding technique   **(5)**
  c) Discuss decision tree   **(4)**

Q-3   Attempt all questions
  a) Describe Data flow diagram with suitable example   **(5)**
  b) Explain elements of data dictionary   **(5)**
  c) Discuss the role of system analyst   **(4)**

Q-4   Attempt all questions
  a) Discuss questionnaire as a fact finding technique   **(5)**
  b) Explain design of source documents   **(5)**
  c) Describe input validation   **(4)**

Q-5		**Attempt all questions**	**(14)**
	a)	Explain presentation of output data	**(5)**
	b)	Discuss top down structure of modules	**(5)**
	c)	Describe various basic file terminology	**(4)**

Q-6		**Attempt all questions**	
	a)	Describe system testing	**(5)**
	b)	Explain quality assurance	**(5)**
	c)	Discuss sequential file organization	**(4)**

Q-7		**Attempt all questions**	
	a)	Draw a decision table of any one project/system and explain in details	**(7)**
	b)	Discuss various categories of information system	**(7)**

Q-8		**Attempt all questions**	
	a)	Write a suitable project definition and describe testing and reporting of the system	**(7)**
	b)	Write a suitable project definition and discuss feasibility and draw DFD of the system	**(7)**