

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2019

Subject Name : System Analysis and Design

Subject Code : 4CS03SAD1

Branch : M.Sc. C.A & I.T (Integrated)

Semester: 3

Date: 11/10/2019

Time: 02:30 To 05:30

Marks:70

Instructions:

- (1) Use of Programmable calculator and 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.
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Q-1 Attempt the Following questions (14)

- a. Define System
- b. List basic types of system
- c. Write Characteristics of System
- d. What is DFD?
- e. Define Symbols of DFD
- f. List categories of information system
- g. Who is System Analyst?
- h. Define Sub System
- i. Give the Full Name of PERT
- j. What do you mean by logical DFD ?
- k. List types of System Testing
- l. Define Data Dictionary
- m. What do you mean by physical DFD?
- n. Give the Full Name of SDLC

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

Q-2 Attempt all questions (14)

- (1) Differentiate between TPC, MIS and DSS **05**
- (2) Describe Input Design Method **05**
- (3) Explain interviewing Techniques in briefly **04**

Q-3 Attempt all questions (14)

- (1) Explain Record Review Observation for requirement analysis **05**
- (2) How to create and use Data Dictionary? Explain with suitable example **05**
- (3) Write Characteristics of System **04**

Q-4 Attempt all questions (14)

- (1) What do you mean by SDLC? Explain each phase of it with personal involved in each stage **07**



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- (2)
- Q-5** (1) “The College Library issues books(can be text book, magazines, journals) to faculties. Faculties can take maximum 10 books. Faculties has to return the books within 6 months from the issue date. One month before the return date, remainder 1 is send. If there is no reply from faculty till last date then, fine is calculated and informed to Head of the department(HOD). HOD has to informed to the faculties for returning of the books. It may be possible that a faculty itself is a HOD of the department. Faculty can have memberid, name, more than one skills, address and mobile no. Books can be identified by isbnno, name, author, publisher, version. State your assumptions(if any). Draw Logical Data Flow diagram for the above case **07**
- (2) Describe File, Sequential and Indexed Method for designing of files **07**
- Q-6 Attempt all questions (14)**
- (1) Explain RAD Model in brief **07**
- (2) Describe Prototype and Spiral model **07**
- Q-7 Attempt all questions (14)**
- (1) Describe Quality Management and Risk Management **05**
- (2) Explain Responsibility of Project Manager **05**
- (3) Discuss User and various types of user **04**
- Q-8 Attempt all questions (14)**
- (1) Define Testing and types of testing **07**
- (2) Explain Gantt Chart and PERT Chat **07**

