

C.U.SHAH UNIVERSITY

Winter Examination-2022

Subject Name : System Analysis and Design

Subject Code : 4CS03ISA1

Branch: B.Sc.I.T.

Semester: 3

Date: 24/11/2022

Time: 11:00 To 02:00

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.
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- Q-1 Attempt the following questions: (14)
- a) What is the full form of SAD? 1
- a. Software Analysis and Design
b. System Analysis and Design
c. Secure Analysis and Design
d. all of these
- b) DFD stands for _____ 1
- a. Data Flow Diagram b. Data Flow Design
c. Data Flow Destination d. None of These
- c) System is Collection of Integrated _____ 1
- a. Modules b. Constraint
c. Data d. All.
- d) Data is basic _____ to develop any system. 1
- a. raw material b. analysis
c. Program d. Design
- e) Which of the following is not part of the SDLC? 1
- a. Data Dictionary c. Analysis
b. Design d. Coding
- f) Which of the following is not part of fact Finding Technique? 1
- a. Interviewing c. Questionnaire
b. Data Dictionary d. Testing
- g) Which of the following is not part of Information System? 1
- a. TPS c. DDS
b. DFD d. DSS
- h) What is the full form of DSS? 1
- a. Decision Support System c. Decision Support Structure
b. Decision Support Surveying d. Decision Support Setup



- i) MIS stands for_____ 1
 a. Management Information System c. Management Information Structure
 b. Management Instruction System d. Management Index Structure
- j) Which person has overall responsibility for development of system? 1
 a. DBA c. System Analyst
 b. Network Engineer d. Programmer
- k) Define Term : Testing 1
 l) What is the full form of SRS? 1
 m) What are Questionnaires? 1
 n) What is the full form of TPS? 1

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

- Q-2 Attempt all questions (14)
 (A) Explain System Development Life Cycle in Brief. (10)
 (B) Explain Interviewing Technique. (4)
- Q-3 Attempt all questions (14)
 (A) Discuss roles of System Analyst. (7)
 (B) Discuss Data Dictionary (7)
- Q-4 Attempt all questions (14)
 (A) Explain Decision Support System in brief. (7)
 (B) Explain 1st level DFD with suitable Example. (7)
- Q-5 Attempt all questions (14)
 (A) Explain Feasibility study in brief. (7)
 (B) *Differentiate Data versus Information* (7)
- Q-6 Attempt all questions (14)
 (A) Write a brief note on Decision Table. (7)
 (B) Write a brief note on Feasibility Study. (7)
- Q-7 Attempt all questions (14)
 (A) Differentiate: *Verification versus Validation* (7)
 (B) What is Testing? Explain any one testing method in brief. (7)
- Q-8 Attempt all questions (14)
 (A) What is Risk? Explain Risk Management in brief. (7)
 (B) Write a brief note on Questionnaires. (7)

