

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : System Analysis and Design

Subject Code : 4CS03ISA1

Branch: B.Sc.I.T.

Semester : 3

Date: 28/03/2018

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.
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Q-1

Attempt the following questions:

(14)

- 1 The _____ symbol is used in a flowchart to represent a step that gets information from the user.
 - a. Process
 - b. Start/Stop
 - c. Input/Output
 - d. Selection/repetition
- 2 Which of the following is not a fact-finding technique?
 - a. Third party enquiry
 - b. Interview
 - c. Questionnaire
 - d. Record reviews
- 3 SDLC stands for
 - a. System Development Life Cycle
 - b. Structure Design Life Cycle
 - c. System Design Life Cycle
 - d. Structure development Life Cycle
- 4 A rectangle in a DFD represents
 - a. a process
 - b. a data store
 - c. an external entity
 - d. an input unit
- 5 is a good example of deterministic system
 - a. Life cycle
 - b. Computer Program
 - c. Software Program
 - d. None of the above
- 6 A feasibility study
 - a. considers a single solutions
 - b. includes a statement of the problems
 - c. a list of alternative solution considered
 - d. None of the above



- 7 System is no more than idea
 - a. Conceptual
 - b. Logical
 - c. Physical
 - d. All of the above
- 8 How many steps are in the systems development life cycle (SDLC)?
 - a. 4
 - b. 5
 - c. 6
 - d. 10
- 9is a tabular method for describing the logic of the decisions to be take
 - a. Decision tables
 - b. Decision tree
 - c. Decision Method
 - d. Decision Data
- 10 System design is carried out
 - a. as soon as system requirements are determined
 - b. whenever a system analyst feels it is urgent
 - c. after final system specifications are approved by the organization
 - d. whenever the user management feels it should be done
- 11 The most important attribute of a systems analyst is
 - a. excellent programming skills
 - b. very good hardware designing skills
 - c. very good technical management skills
 - d. very good writing skills
- 12 Which are the tools not used for System Analysis
 - a. Flowcharts
 - b. Decision table
 - c. System - test data
 - d. Data Flow Diagram
- 13 Data cannot flow between Two data stores because
 - a. It is not allowed in DFD
 - b. A data store is a passive repository of data
 - c. Data can get corrupted
 - d. They will get merged
- 14 Problem analysis is done during
 - a. System design phase
 - b. Systems analysis phase
 - c. Before system test
 - d. All of the above

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

Q-2	Attempt all questions	(14)
1	What is System? Explain Sub-system	5
2	Discuss System Development Life Cycle (SDLC)	5



3	Discuss Types of User	4
Q-3	Attempt all questions	(14)
1	What is System analyst? Discuss Role and Task of System Analyst.	5
2	Write a note on Fact-Finding technique	5
3	Write a note on Decision tree and Decision table	4
Q-4	Attempt all questions	(14)
1	Write a note on Designing Data Flow Diagram	5
2	Write a note on Logical and Physical Data flow diagrams	5
3	What is Data dictionary explain in Brief	4
Q-5	Attempt all questions	(14)
1	Discuss Objective of Objective of Input Design	5
2	Write a note on Design of Source documents	5
3	Discuss checking transaction and Transaction validation of Design of input	4
Q-6	Attempt all questions	(14)
1	Discuss Types of output,	5
2	Write a note on Types of file	5
3	Write a note on Methods of file organization	4
Q-7	Attempt all questions	(14)
1	Discuss unit testing and system testing	5
2	Discuss verification and validation with suitable example	5
3	Write a note on span of control for quality assurance	4
Q-8	Attempt all questions	(14)
1	Write a note on Training methods	5
2	Write a note on Feasibility study with suitable example	5
3	Discuss terminology(data item, record, record key, entity, File)	4

