

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : SAD - SE

Subject Code : 4CS02BSE1

Branch: BCA

Semester : 2

Date : 29/04/2019

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.
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Q-1 Attempt the following questions: (14)

- 1 The data Flow Diagram is the basic component of system
 - a) Conceptual
 - b) Logical
 - c) Physical
 - d) None of the above
- 2 Which of the following is not a phase of SDLC?
 - a) Requirement gathering
 - b) Maintenance
 - c) Analysis
 - d) All of the above
- 3 What is full form of SDLC?
 - a) System Design Life cycle
 - b) Software Design Life Cycle
 - c) System Development Life Cycle
 - d) Software Development Life Cycle
- 4 Which of the following is not a fact-finding technique?
 - a) Third party enquiry
 - b) Interview
 - c) Questionnaire
 - d) Record reviews
- 5 Data dictionary is also known as
 - a) Function catalog
 - b) Data catalog
 - c) Storage catalog
 - d) System catalog
- 6is an important factor of management information system.
 - a) System



- b) Data
 - c) Process
 - d) All
- 7 Which Testing is performed first?
- a) Black box testing
 - b) White box testing
 - c) Dynamic testing
 - d) Static testing
- 8 Spiral model originally proposed by
- a) Boehm
 - b) Winston
 - c) Royce
 - d) Dexter
- 9 RAD is a type of
- a) decrement model
 - b) incremental model
 - c) waterfall model
 - d) dynamic model
- 10 Which of the following is not considered as a risk in project management?
- a) Specification delays
 - b) Product competition
 - c) Testing
 - d) Staff turnover
- 11 Quality Management in software engineering is also known as
- a) SQA
 - b) SQM
 - c) SQI
 - d) SQA and SQM
- 12 How many feasibility studies is conducted in Requirement Analysis ?
- a) Two
 - b) Three
 - c) Four
 - d) None of the mentioned
- 13 How many phases are there in Requirement Analysis
- a) Three
 - b) Four
 - c) Five
 - d) Six
- 14 The reason for software bugs and failures is due to
- a) Software companies
 - b) Software Developers
 - c) Both Software companies and Developers
 - d) All of the mentioned



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

Q-2	Attempt all questions	(14)
1	What is System? Discuss Characteristic of System	7
2	Write a brief note on SDLC	7
Q-3	Attempt all questions	(14)
1	Write a note on MIS and DSS	7
2	Discuss Questionnaire, Record Review, Observation	7
Q-4	Attempt all questions	(14)
1	Write a note on Data Dictionary	7
2	Write a note on Various types of Prototype Methods	7
Q-5	Attempt all questions	(14)
1	Discuss Bug,Error,Defect,Fault,Failure	7
2	Discuss Test Case, Test Plan, Test Script, Test Suite	7
Q-6	Attempt all questions	(14)
1	Write a note on Spiral Model	7
2	Discuss Static Testing and Dynamic Testing	7
Q-7	Attempt all questions	(14)
1	Write a note on Gantt Chart and PERT Chart	7
2	Discuss 4P's Principle of Project Management	7
Q-8	Attempt all questions	(14)
1	Write a note on Coding and Validations with example	7
2	Discuss Sequential File Method and Indexed file Method	7

