

[39]

No. of Printed Pages: 02

SARDAR PATEL UNIVERSITY**B.C.A. SEM-II (CBCS) EXAMINATION - 2016****SYSTEM ANALYSIS & DESIGN (US02CBCA02)****Date : Thursday, 20th Oct 2016****Max. Marks : 70****Time : 2.00 to 5.00****Q.1 Multiple Choice Questions****[10]**

- 1) The third step of SDLC is _____.
(a) Problem identification (b) System evaluation
(c) System requirement analysis (d) System study
- 2) One of the examples of recurring cost is _____.
(a) Salary (b) feasibility study cost (c) construction
(d) remodeling of computer room
- 3) The last step of SDLC is _____.
(a) Problem identification (b) System evaluation
(c) System requirement analysis (d) System study
- 4) _____ is considered as an output of the Structure Design
(a) Structured Specification (b) New System
(c) Packaged Design (d) Feasibility Documents
- 5) Test Specification is the part of _____.
(a) System Survey (b) Structured Analysis
(c) Structured Design (d) Maintenance
- 6) In _____ maintenance efforts will be constantly going on to perfect the system.
(a) Adaptive (b) Corrective (c) Perfective (d) None
- 7) The names of data stores, sources and destinations are written in _____ letters.
(a) Uppercase (b) Lowercase (c) Title case (d) None
- 8) Which of the following is used in DFDs
(a) External Entities (b) Processes (c) Data Stores (d) All of above
- 9) The processed data with specific purpose are called _____.
(a) Data (b) Information (c) Picture (d) System
- 10) An output should not _____.
(a) convey information (b) confirm an action
(c) signal event (d) include incomplete information

Q.2 Answer in Short [Any 10]**[20]**

- 1) Draw the model of business system.
- 2) What is "Feasibility study"? Explain Economic feasibility.
- 3) Differentiate between System Analysis and System Design.
- 4) Draw the diagram of SSADM
- 5) What do you mean by Structured Walk Through? List various types of it.

P.T.O.

Q.2 Answer in Short [Any 10] (Contd.)

- 6) List different stages of Structure Design
- 7) Explain Sorting
- 8) Describe any two types of output
- 9) Explain observation in brief.
- 10) Draw Context Level DFD for College Payroll System
- 11) Explain Any two advantages of CASE Tools
- 12) List symbols used in construction of DFD

- Q.3 [A] Who is System Analyst? List all & Explain any three roles. [05]
[B] What are the characteristics of system? Explain. [05]

OR

- Q.3 [A] What are concepts of System? List all and explain any three. [05]
[B] What is problem Identification? Explain [05]

- Q.4 [A] What is Structure Analysis? Explain [05]
[B] What are the needs of SSADM? Explain [05]

OR

- Q.4 [A] What is Structure Design? Explain [05]
[B] What is Hardware Study in SSADM? Explain [05]

- Q.5 [A] Write a note on Interview as fact finding technique [05]
[B] List & Explain steps in Data Capture [05]

OR

- Q.5 [A] What is Output Design? List and explain design principles of output. [05]
[B] What is Interview in context to Fact Gathering Technique? Explain. [05]

- Q.6 [A] What is CASE Tools? Explain Advantages & Disadvantages of CASE Tools. [10]

OR

- Q.6 [A] Draw Context and First Level DFD for College Payroll System [10]

◆◆◆◆◆◆◆◆◆◆ BEST OF LUCK ◆◆◆◆◆◆◆◆◆◆