S A R D A R   P A T E L   U N I V E R S I T Y

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.

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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]

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