

SARDAR PATEL UNIVERSITY
BCA (II Semester) Examination
Thursday, 19 March 2015
2.30 – 5.30 pm
US02CBCA02 - System Analysis and Design

SC

Total Marks: 70**Q -1 Multiple Choice Questions.****[10]**

1. _____ is a set of elements which operates together to achieve an objective.
a) Physical system b) Subsystem c) Feedback 4) Black box
2. The feature which defines a system from the environment is known as _____.
a) Boundary b) Subsystem c) Blackbox d) Interface
3. _____ means reports contain misleading information.
a) Problem of reliability b) Problem of validity
c) Problem of timeliness d) Problem of capacity
4. The example of recurring cost is _____.
a) Salary b) Feasibility study cost c) Construction
d) Remodeling of computer room
5. _____ is considered as an output of the Structure Analysis.
a) Structured Specification b) New System c) Packaged Design d) Test Plan.
6. Better Company Image is one of the example of _____.
a) One time cost b) Recurring Cost
c) Tangible Benefits d) Intangible Benefits
7. _____ is the process of getting data to the system in a machine sensible form.
a) Data collection b) Data validation c) Data verification d) Data Test
8. An output should not _____.
a) Convey information b) Confirm an action c) Signal event d) Include incomplete information
9. System analysis is the _____ of the problem.
a) Examination b) Solution c) Collecting information of existing system
d) Preparing logical model
10. _____ is the process of translating the source document in a machine readable form.
a) Data collection b) Data validation c) Data verification d) Data Entry

Q-2 Answer the Following Question. (Any Ten).**[20]**

1. Define system. Draw the model of business system
2. List types of system.
3. Differentiate between conceptual and physical system.
4. What is technical feasibility?
5. Give examples of onetime cost and recurring cost.
6. Write down the steps of SSADM.
7. List any two Intangible Benefits
8. Define Original Recording and Data Preparation
9. List objectives of outputs.
10. Draw diagram of system design.
11. Give examples of Natural and Artificial system
12. Give full form of IPO and HIPO

- Q-3 A. Discuss the characteristics of system [5]
B. Explain the elements of system. [5]
- OR**
- Q-3 A. Explain Problem identification. [5]
B. Define System Analyst. Which are the responsibilities of System Analyst? [5]
- Q-4 A. What are the advantages of SSADM? [5]
B. Write a note on Maintenance phase of SSADM. [5]
- OR**
- Q-4 A. Discuss the Components of System Implementation. [5]
B. Write a note on Structured Design. [5]
- Q.5 A. Explain the principles of output. [5]
B. Explain Interview in detail. [5]
- OR**
- Q.5 A. Explain basic steps in Data capture. [5]
B. Explain Data Validation Checks in Detail [5]
- Q.6 A. Define CASE Tool. What are the components of CASE Tools? [5]
B. What is Flowchart? What is the use of Flowcharts? Explain the symbols which are used to draw Flowchart? [5]
- OR**
- Q.6 A. Define DFD. Draw a DFD for Hotel Management System. [5]
B. Differentiate between physical DFD and Logical DFD [5]

Best of Luck