

**Q.1 Multiple choice questions:****[10]**

1. \_\_\_\_\_ is defined as activity that makes possible the transformation of input to output.  

A. Input	B. Process
C. Output	D. Goal
2. A subsystem at the lowest level is often not defined as to the process is termed as \_\_\_\_\_.  

A. Boundary	B. Subsystem
C. Black box	D. Interface
3. A \_\_\_\_\_ is undertaken to determine the possibility or probability of either improving the existing system or developing a completely new system.  

A. Problem Identification	B. Feasibility Study
C. Implementation	D. Evaluation of System
4. Which of the following is not a component of system implementation?  

A. Programming	B. Testing
C. Designing	D. Conversion
5. \_\_\_\_\_ documentation contains instructions for normal operation.  

A. Design	B. Program
C. Training	D. Operation
6. \_\_\_\_\_ is a collection of data fundamentals to a system.  

A. DataBase	B. DataInput
C. Data Output	D. DataEntry
7. Which of the following is used in DFDs?  

A. Process	B. External Entities
C. Data Flow	D. All of these
8. \_\_\_\_\_ are useful for gathering numerical data.  

A. Interview	B. Questionnaires
C. Record Review	D. Observation
9. \_\_\_\_\_ tool automate the preparation of computer software.  

A. Diagramming Tools	B. Code Generator
C. Interface Generator	D. Management Tools
10. Which of the following is considered as components of CASE?  

A. Diagramming Tools	B. Code Generator
C. Interface Generator	D. All of these

**Q.2 (A) Fill In the blanks.****[08]**

1. In a five sub system, the maximum numbers of interfaces are \_\_\_\_\_.
2. DFD stands for \_\_\_\_\_.
3. SSADM consists of \_\_\_\_\_.
4. CASE is the acronyms of \_\_\_\_\_.

**(B) TRUE/FALSE**

1. Evaluation is nothing but feedback for the system.
2. Increased value in sales and net income is called Tangible Cost.
3. Circle symbol is used for Process in DFD.
4. Verification refers to the process of using software in a live environment in order to find errors.

**Q.3 Attempt any Ten out of Twelve.**

**[20]**

1. Write difference between open and close system
2. List the basic components of education system
3. List stages of system design
4. Define: Data Capture and Data Entry
5. List types of Output.
6. Define Control and Computer Input in respect of Data Capture.
7. List any four rules to be followed in construction of DFDs.
8. Write in brief about system flow chart.
9. List fact gathering techniques.
10. List Benefits of CASE
11. Define Quality Assurance and list levels of Assurance.
12. What is CASE?

**Q.4 Attempt any Four out of Eight.**

**[32]**

1. What is System and subsystem? Explain types and elements of System.
2. Who is system analyst? Explain role of system analyst.
3. Explain structure analysis and design of SSADM
4. What do mean by Data Validation? Discuss categories of Validation Checks in detail.
5. What is DFD? Draw the symbols used in DFD. Write rules for constructing DFD.
6. What are the various fact gathering (finding) techniques? Discuss the advantages and disadvantages of using each of these techniques.
7. Explain testing strategies in detail.
8. Explain components of CASE

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