

(46) Seat No.: _____

No. of Printed Pages: 2

SARDAR PATEL UNIVERSITY
M.Sc.IT (Integrated) EXAMINATION, 2nd SEMESTER [NC]

Friday, 21 October, 2016

2.00 p.m. to 5.00 p.m.

PS02CIIT02

[SYSTEMS ANALYSIS AND DESIGN]

Maximum Marks: 70

Q-1 Multiple Choice Question.[Each Question carries one Mark] [10]

- 1) _____ is used to find the maximum number of interface is required for sub system.
A. n
B. n-1
C. $n*(n-1)$
D. $n*(n-1)/2$
- 2) Which of the following is not a characteristic of a system?
A. Basic Connection
B. Interaction
C. Goal
D. Life Cycle
- 3) _____ means reports have many errors.
A. Problem of Accuracy
B. Problem of Validity
C. Problem of Timeliness
D. Problem of Capacity
- 4) Which of the following tools are used in structured analysis?
A. Data Dictionary
B. Structured English
C. Decision Table
D. All of these
- 5) Cost of converting from present system to proposed system is called _____.
A. Recurring Cost
B. Tangible Cost
C. Intangible Cost
D. One Time Cost
- 6) _____ is an organized step by step tracing through of a design by group of people.
A. Structured Walk Through
B. Structured Design
C. Maintenance
D. System Analysis
- 7) DFD Stands for _____.
A. Data Flow Diagram
B. Database Flow Diagram
C. Data Flow Design
D. None of these
- 8) _____ may be used as a supplement to interviews.
A. Interview
B. Questionnaires
C. Record Review
D. Observation
- 9) _____ is also known as Data Dictionary.
A. Diagramming Tools
B. Code Generator
C. Interface Generator
D. Information Repository
- 10) The _____ testing strategy the logic of the program.
A. Code
B. Specification
C. peak load
D. none

[PTO]

- Q-2 Give Answers for the following:(Any ten) [20]
1. Define :- Boundary and Environment.
 2. Write difference between open and close system.
 3. List Input, Process, Output and Feedback of university system.
 4. What is system survey?
 5. List all methodology of SSADM.
 6. What is hardware study in SSADM?
 7. Draw the context level DFD of college payroll system.
 8. List any four rules to be followed in construction of DFDs.
 9. List fact gathering techniques.
 10. Define Quality Assurance and list levels of Assurance.
 11. List Benefits of CASE.
 12. Define Test Case.
- Q - 3 A) Explain General Model of System with example. [5]
B) Explain Interface. [5]
- OR
- Q - 3 A) Explain Problem Identification. [5]
B) Write difference between system analysis and system design. [5]
- Q - 4 A) Write advantages of SSADM. [5]
B) Explain need for structured analysis and design. [5]
- OR
- Q - 4 A) Explain system implements in SSADM. [5]
B) Explain documentation in SSADM. [5]
- Q - 5 A) Explain Interview in detail. [5]
B) Draw the context level and zero level DFD for airline Reservation System. [5]
- OR
- Q - 5 A) Discuss the advantages and disadvantages of using each of fact gathering (finding) techniques. [5]
B) Explain Observation in detail. [5]
- Q - 6 Explain benefits of CASE. [10]
- OR
- Q - 6 Explain level of quality assurance in detail. [10]