B.Sc Computer Science
Semester V
BCS 502 Core-19: System Analysis &Design
Multiple Choice questions

1. ……………….. includes review of the existing procedures and information flow.
A) Feasibility Study
B) Feasibility report
C) System Design
D) System analysis

2. A rectangle in a DFD represents
A) a process
B) a data store
C) an external entity
D) an input unit

3. ……………... refers to the collection of information pertinent to systems Project.
A) Data transfer
B) Data gathering
C) Data Embedding
D) Data Request

4. ………………….. means coordinated effort, to communicate the information of the system written form.
A) System documentation
B) Resource required
C) Development schedule
D) User Document

5. MDP stands for
A) Master Development Plan
B) Master Design Program
C) Mandatory Database Program
D) Master Database Plan

6. External Entities may be a
A) Source of input data only
B) Source of input data or destination of results

C) Destination of results only
D) Repository of data

7. …………………. is a group of interested components working together towards a common goal by accepting inputs and producing outputs in an organized transformation process.
A) System
B) Network
C) Team
D) System Unit

8. To create vehicle of information to provide evidence in the development process and to monitor the process. This is one of the objectives of
A) Analysis
B) Design
C) Development
D) Documentation

9. A …………. System is no more than idea
A) Conceptual
B) Logical
C) Physical
D) All of the above

10. By an external entity we mean a
A) Unit outside the system being designed which can be controlled by an analyst.
B) Unit outside the system whose behavior is independent of the system being designed
C) A unit external to the system being designed
D) A unit which is not part of a DFD

11 …………………………. is an important factor of management information system.
A) System
B) Data
C) Process
D) All

12 Which are the following is / are the level(s) of documentation?
A) Documentation for management
B) Documentation for user
C) Documentation for data processing department
D) All of the above

13 ………………………….. level supply information to strategic tier for the use of top management.
A) Operational
B) Environmental
C) Competitive

D) Tactical

14 In a DFD external entities are represented by a
A) Rectangle
B) Ellipse
C) Diamond shaped box
D) Circle

15 …………… can be defined as data that has been processed into a form that is meaningful to the recipient and is of real or perceive value in current or prospective decisions.
A) System
B) Information
C) Technology
D) Service

16 Use the new system as the same time as the old system to compare the results. This is known as ……
A) Procedure Writing
B) Simultaneous processing
C) Parallel Operation
D) File Conversion

17 Decision making model was proposed by ………………….
A) Harry Goode
B) Herbert A Simon
C) Recon Michal
D) None of this

18 A data flow can
A) Only emanate from an external entity
B) Only terminate in an external entity
C) May emanate and terminate in an external entity
D) May either emanate or terminate in an external entity but not both

1 9 …………… can be defined as most recent and perhaps the most comprehensive technique for solving computer problems.
A) System Analysis
B) System Data
C) System Procedure
D) System Record

20 SDLC stands for
A) System Development Life Cycle
B) Structure Design Life Cycle
C) System Design Life Cycle
D) Structure development Life Cycle

21 ………… is a sort of blueprint of the system Development Effort.
A) MDP
B) DMP
C) MPD
D) DPM

2 2 Data store in a DFD represents.
A) a sequential file
B) a disk store
C) a repository of data
D) a random access memory

23 …………… system consists of programs, data files and documentation
A) Conceptual
B) Logical
C) Physical
D) None of the above

24 …………… is a good example of deterministic system.
A) Life cycle
B) Computer Program
C) Software Program
D) None of the above

25 The main ingredient of the report documenting the ……………… is the cost benefit analysis.
A) System Analysis
B) Feasibility Study
C) System Analyst
D) System Design

26 A data flow can
A) Only a data store
B) Only leave a data store
C) Enter or leave a data Store
D) Either enter or leave a data store but not both

27 Changing the relationship with and services provided to customers in such a way that they will not think of changing suppliers is called ………….
A) Lock in customers
B) Lock out customers
C) Lock in competitors
D) Lock out competitors

28 …………… can be defined as data that has been processed into a form that is meaningful to the recipient and is of real or perceived value in current or prospective decisions.
A) Information
B) Data collection
C) Internal data
D) Sample data

29 Increased volume of sales is an example of ……….…… Benefit. Reduction of bad debts is an example of ………..
A) Tangible, Intangible
B) Tangible, Tangible
C) Intangible, Tangible
D) Intangible, Intangible

30 A data cannot flow between a store and
i) a store   ii) a process   iii) an external entity

A) i and iii
B) i and ii
C) ii and iii
D) ii

31 A ……………… system in no more than idea.
A) Conceptual
B) Logical
C) Physical
D) None

32 Design Phase consists of ……………………
1. Identity the functions to be performed
2. Design the input/output and file design
3. Defining basic parameters for system design
A) 1 & 2
B) 2 & 3
C) 1 & 3
D) 1, 2 & 3

33 A context diagram
A) Describes the context of a system
B) is a DFD which gives an overview of the system
C) is a detailed description of a system
D) is not used in drawing a detailed DFD

3 4 HIPO stand for

A) Hierarchy input process output
B) Hierarchy input plus output
C) Hierarchy plus input process output
D) Hierarchy input output Process

35 Statement of scope and objectives, opportunities and performance criteria ………….
A) Problem definition
B) System analysis
C) System Design
D) Documentation

36 Information can be categorized into …………….
1. Environmental information
2. Competitive information
3. Government information
4. Internal information
A) 1, 2 & 3
B) 1, 2 & 4
C) 2, 3 & 4
D) 1, 3 & 4

37 System Development process is also called as ……………..
A) System Development Life Cycle
B) System Life Cycle
C) Both A and B
D) System Process Cycle

38 The output of problem definition stage is ……………..
A) Master Development Plan
B) Terms of reference
C) Feasibility report
D) Final product

39 Advantages of system flowcharts ………………….
A) Effective communication
B) Effective analysis
C) Queasier group or relationships
D) All A, B, C

40 Based on the identification of objectives, input, output and file content, the vital document is called …
A) System Definition
B) System Document
C) System Requirement Document
D) System Subject

41 A context diagram is used
A) as the first step in developing a detailed DFD of a system
B) in systems analysis of very complex systems
C) as an aid to system design
D) as an aid to programmer

42 Which of the following is/are the sources for project requests?
A) Request from Department managers
B) Request from senior executives
C) Request from system Analyst
D) All of the above

43 DDS stands for …………………
A) Data Data Systems
B) Data Digital System
C) Data Dictionary Systems
D) Digital Data Service

44 ………….. Phase is a time consuming phase and yet a very crucial phase
A) Feasibility Study
B) Requirement Phase
C) Analysis Phase
D) Testing Phase

45 A DFD is normally leveled as
A) It is a good idea in design
B) It is recommended by many experts
C) it is easy to do it
D) It is easier to read and understand a number of smaller DFDs than one large DFD

46 ………………. is responsible for all aspects of data processing, operation research, organization and method, system analysis and design investments.
A) Management Services Director
B) Data Processing Manager
C) Computer Manager
D) Both B and C

47 ……………… is a tabular method for describing the logic of the decisions to be taken.
A) Decision tables
B) Decision tree
C) Decision Method
D) Decision Data

48 In ……………… system the interaction between various subsystems cannot be defined with certainty
A) Open System

B) Closed System
C) Deterministic System
D) Probabilistic System

49 State True or False.
1. Term of reference is the final output of Feasibility Study
2. Design specification report is the final output of System Analysis
A) 1-true, 2-true
B) 1-false, 2-true
C) 1-true, 2-false
D) 1-false, 2-false

50 The key considerations involved in the feasibility analysis is include
i) Economical   ii) Technical   iii) Behavioral   iv) Personal
A) i, ii, iv
B) i, ii, iii
C) ii, iii, iv
D) All of the above

51. .... refers to the collection of information pertinent to systems project.
A) Data gathering
B) Data Exporting
C) Data Embedding
D) Data importing

52. A physical DFD
A) has no means of showing material flow
B) does not concern itself with material flow
C) can show only stored material
D) can show the flow of material

53. Development costs for a computer based information system include/s ....
A) Salaries of the system analysis
B) Cost of converting and preparing data
C) Cost of testing and documenting
D) All A, B, C

54. Before developing a logical DFD it is a good idea to
A) develop a physical DFD
B) develop a system flow chart
C) determine the contents of all data stores
D) find out user's preferences

55. A data store in a DFD represents
A) a sequential file
B) a disk store
C) a repository of data
D) a random access memory

56. Which of the following is/are major step/s of system design?
A) Specification of system output
B) Development of system flowchart
C) Development of program specifications
D) All A, B, C

57. A data flow can
A) only enter a data store
B) only leave a data store
C) enter or leave data store
D) either enter or leave a data store but not both

58. .... means coordinated effort, to communicate the information of the system in written form.
A) System Documentation
B) System Storage
C) System Record
D) System Share

59. Some of the tools which are available with the system analysis are ....
A) Review of Documentation & Observation of the situation
B) Conducting Interviews & Questionnaire Administration
C) Both A & B
D) Review of Procedure & Conducting Interviews

60. Data cannot flow between two data stores because
A) it is not allowed in DFD
B) a data store is a passive repository of data
C) data can get corrupted
D) they will get merged

Answers:

1. A) Feasibility Study
2. C) an external entity
3. B) Data gathering
4. A) System documentation
5. A) Master Development Plan
6. B) Source of input data or destination of results
7. A) System
8. D) Documentation
9. A) Conceptual
10. C) A unit external to the system being designed
11. A) System
12. D) All of the above
13. D) Tactical
14. A) Rectangle
15. B) Information
16. C) Parallel Operation
17. B) Herbert A Simon
18. C) May emanate and terminate in an external entity
19. A) System Analysis
20. A) System Development Life Cycle
21. A) MDP
22. C) a repository of data
23. C) Physical
24. B) Computer Program
25. B) Feasibility Study
26. C) Enter or leave a data Store
27. A) Lock in customers
28. A) Information
29. D) Intangible, Intangible
30. A) i and iii
31. A) Conceptual
32. D) 1, 2 & 3
33. B) is a DFD which .... of the system
34. A) Hierarchy input process output
35. A) Problem definition
36. B) 1, 2 & 4
37. A) System Development Life Cycle
38. B) Terms of reference
39. D) All A, B, C
40. B) System Document
41. A) as the first step ... DFD of a system
42. D) All of the above
43. C) Data Dictionary Systems
44. C) Analysis Phase
45. D) It is easier to read and understand a number of smaller DFDs than one large DFD

46. **A) Management Services Director**
47. **A) Decision tables**
48. **D) Probabilistic System**
49. **D) 1-false, 2-false**
50. **B) i, ii, iii**
51. **A) Data gathering**
52. **D) can show the flow of material**
53. **D) All A, B, C**
54. **A) develop a physical DFD**
55. **C) a repository of data**
56. **D) All A, B, C**
57. **C) enter or leave data store**
58. **A) System Documentation**
59. **C) Both A & B**
60. **D) they will get merged**