

Management Information Systems

1. This is a small metal or plastic device that looks like a ballpoint pen, but uses pressure instead of ink to write, draw, or make selections.

- A. keyboard
- B. mouse
- C. pointer
- D. stylus

2. An URL consists of a ____, a domain name, sometimes the path to a specific web page or location in a web page, and the web page name.

- A. B2C
- B. storage
- C. protocol
- D. format

3. This is a program that hides in a computer and allows someone from a remote location to take full control of the computer.

- A. rootkit
- B. Trojan horse
- C. virus
- D. worm

4. Which one of the following computers are a good option if you work mostly in one place and have plenty of space in your work area?

- A. desktop
- B. notebook
- C. Tablet PC
- D. personal mobile

5. The end result of the Data Life Cycle is the generation of which one of the following?

- A. decisions
- B. data
- C. tables
- D. knowledge

6. Historically, management information systems have focused on capturing, storing, managing, and reporting ____ knowledge.

- A. managerial
- B. geographical
- C. tacit
- D. explicit

7. Which one of the following best describes the systems designer's role as an integrator?
- A. to get all team members together into a cohesive whole
 - B. to put all the pieces of the project into a program
 - C. to put all the pieces of a project into a cohesive whole
 - D. to help team members become familiar with the project
8. Identification of bugs in the systems development life cycle is detected in which stage?
- A. analysis and design
 - B. maintenance
 - C. integration and testing
 - D. developing
9. During the implementation of a contingency plan, a team member notices that the plan worked only marginally. There were three similar contingency plans developed for other risks that have not yet happened. What should be recommended?
- A. a new risk rating matrix
 - B. a workaround
 - C. a project change request
 - D. a risk responsibility chart review
10. Modern operating architectures have been driven by what programming language?
- A. Cobol
 - B. Unix
 - C. C++
 - D. C#
11. What computer network spans a relatively small number of computers?
- A. WAN
 - B. Star
 - C. LAN
 - D. Ring
12. A definitive estimate is:
- A. a level of estimating that can be achieved without the team's help
 - B. the most expensive to create
 - C. within a range of -10 to +25 percent of actual
 - D. created during the initiating process group
13. Which one of the following is the main focus of life cycle costing?
- A. consider installation costs when planning the project costs
 - B. estimate the cost of operations and maintenance

- C. consider operations and maintenance costs in making project decisions
- D. estimate installation costs

14. Which one of the following is a process that helps organizations identify, select, organize, disseminate, transfer, and apply expertise that are part of the organization's memory and typically reside inside the organization in an unstructured manner?

- A. knowledge management
- B. decision support
- C. online analytical processing
- D. discovery

15. Which one of the following is the most important for information systems managers?

- A. communication
- B. project control
- C. team building
- D. technical expertise

16. Which one of the following can be used as a basic fact-gathering technique for a preliminary investigation?

- A. trouble-shooting ticket
- B. interview users
- C. Delphi Method
- D. open-ended questionnaire

17. When is the best time to assign a project manager to a project?

- A. project executing
- B. project planning
- C. project initiating
- D. project closing

18. In which step is the feasibility determined?

- A. planning
- B. initiation
- C. design
- D. system concept development

19. Using the Agile method of systems development, when are diagnostic checks performed?

- A. at the end of the work
- B. none of the answers are correct
- C. at each important point
- D. at each work unit

20. A systems design manager has put in place rules covering who will have access to controlled documents, how changes to these items will be recorded and approved, and how everyone will know what the current version is. The manager is therefore creating which one of the following?

- A. project management information system
- B. configuration management system
- C. work authorization system
- D. change control system

21. A listing of all course codes or call numbers offered at your university would be considered _____, where a listing of all courses required in your major would be considered _____.

- A. information, knowledge
- B. knowledge, information
- C. information, data
- D. data, information

22. For a corporation, which one of the following is not a source for external data?

- A. sensors
- B. corporate databases
- C. commercial databases
- D. satellites

23. Which one of the following is a logical grouping of characters into a word, a small group of words, or a complete number?

- A. byte
- B. file
- C. field
- D. record

24. It is very difficult to manage data for which one of the following reasons?

- A. Data is scattered throughout organizations.
- B. Data security is easy to maintain.
- C. The decreasing amount of external data needs to be considered.
- D. The amount of data stays about the same over time.

25. A _____ enables you to view data from a table based on a specific criterion.

- A. macro
- B. query
- C. form
- D. report

26. _____ occurs when the same data are stored in many places.

- A. Data isolation

- B. Data integrity
- C. Data consistency
- D. Data redundancy

27. A data model used to describe conceptual data models by providing graphical notations is called:

- A. 4GL structural analysis
- B. a graphical database
- C. data structure diagram
- D. GUL

28. Which one of the following is a map of concepts and their relationships used for databases?

- A. Configuration schema
- B. Database mapping schema
- C. Conceptual data model
- D. Mindmapping

29. In a relational database, what does every row represent?

- A. record
- B. attribute
- C. primary key
- D. file

30. Which one of the following enables you to view data from a table based on a specific criterion?

- A. query
- B. macro
- C. report
- D. form

31. This is a duplicate of a file, program, or disk that you can use in case the original is lost, damaged, or destroyed.

- A. track
- B. head crash
- C. backup
- D. platter

32. What models are typically used to explore domain concepts with project stakeholders?

- A. Domain Models
- B. Logical Data Models
- C. Physical Data Models
- D. Agile Data Models

33. In the relational database model, related tables can be joined when they commonly contain:

- A. records
- B. primary keys
- C. rows
- D. columns

34. What is a software program that manages the creation, storage, and control of documents electronically?

- A. EDMS
- B. DDMS
- C. DMS
- D. DMMS

35. Which one of the following is the most problematic in converting a legacy system into a DMS?

- A. system analyst applications
- B. unknown capabilities of the new DMS
- C. user resistance
- D. departmental database applications

36. In a database, the primary key field is used to do which one of the following?

- A. create linked lists
- B. uniquely identify a record
- C. identify duplicated data
- D. specify an entity

37. The most important reason for organizations gathering consumer data is because it:

- A. identifies buying patterns
- B. detects a change of seasoning buying
- C. provides incentive programs
- D. generates reports on past purchases

38. What type of keys are the fields in a record that have some identifying information but typically do not identify the record with complete accuracy?

- A. attribute keys
- B. primary keys
- C. secondary keys
- D. duplicate keys

39. Data dictionaries perform all of the following functions except:

- A. providing information on why attributes are needed in the database
- B. providing information on each record
- C. providing information on name of attributes
- D. defining the format necessary to enter data into the database

40. The smallest element in the data hierarchy is which one of the following?
- A. character
 - B. bit
 - C. record
 - D. byte
41. What type of database is used to manage dynamic bits of data?
- A. operational
 - B. descriptive
 - C. interactive
 - D. analytic
42. Which one of the following is a common object oriented language?
- A. C#
 - B. Pascal
 - C. Java, C++ and Smalltalk
 - D. Java, C++
43. Business use-cases and actors together best describe which one of the following?
- A. the logical view of the work in process
 - B. the business processes that the organization supports
 - C. the dynamic elements of the work in progress
 - D. the static elements of the work in progress
44. Which one of the models describes the structure of the system or application consisting of class diagrams and sequence diagrams that describe the logical implementation of the functional requirements that is identified in the use case model?
- A. the design model
 - B. the architectural model
 - C. service-oriented model
 - D. the analysis model
45. A subclass inherits its parents':
- A. relationships, operations, and links
 - B. attributes, links
 - C. attributes, operations
 - D. attributes, operations, and relationships
46. Which sentence is correct?
- A. There is no restriction on multiple associations between the same two classes.
 - B. Multiple associations between the same two classes must be aggregated to one.

- C. Multiple associations between the same two classes is not allowed.
 - D. There can be multiple associations between the same two classes, but they should represent different role.
47. What is the difference between architecture and design in SDLC?
- A. architecture is the larger picture than design
 - B. architecture has more detail than design
 - C. design has the higher-level strategy
 - D. design is the larger picture than architecture
48. In use-case model, an actor represents:
- A. a physical user regardless of its role
 - B. the same user that can perform several acts
 - C. a physical system or a hardware device together with its interfaces
 - D. a role that a human, hardware device, or another system can play
49. Objects sometimes need to know when an event occurs in some target object, without the target having to know all the objects that required notification when the event occurs.
- A. aggregation
 - B. subscription association
 - C. encapsulation
 - D. polymorphism
50. In the domain model attributes must be:
- A. keys to part of a database
 - B. dimensioned numbers
 - C. objects
 - D. simple, such as numbers
51. In the solution model what is a design pattern where one can provide a generic interface for creating objects, where we can specify the type of factory object we wish to be created?
- A. The Observer
 - B. Composite
 - C. Strategy
 - D. Abstract Factory
52. What are the four pillars of object-oriented programming?
- A. abstraction, encapsulation, modularity, and hierarchy
 - B. abstraction, encapsulation, polymorphism, and modularity
 - C. abstraction, polymorphism, modularity, and hierarchy
 - D. encapsulation, polymorphism, hierarchy, and modularity

53. Which one of the following is an example of a UML diagram?
- A. HTML diagram
 - B. component diagram
 - C. digital diagram
 - D. broadcast diagram
54. Which one of the following is a characteristic of an object?
- A. attributes and methods
 - B. identity
 - C. relation
 - D. role
55. What stage of OOSD is the program released for production?
- A. requirements analysis
 - B. test
 - C. implementation
 - D. design
56. Which of the following means that anyone, anywhere on the network doesn't need to worry about different communication language?
- A. network communications
 - B. network connectivity
 - C. network rationality
 - D. network interoperability
57. The visible behavior of an object is modeled by:
- A. messages
 - B. methods
 - C. attributes
 - D. responsibilities
58. Which one of the following phrases best represents a generalization relationship?
- A. is a part of
 - B. is a kind of
 - C. is a replica of
 - D. is composed of
59. In creating the diagram of the flow of the systems program, a circle represents:
- A. role
 - B. function
 - C. action
 - D. relation

60. In creating the diagram of the flow of the systems program, a curved arrow represents:
- A. storage
 - B. role
 - C. flow
 - D. relation
61. What is the part of a database that holds only one type of information?
- A. file
 - B. report
 - C. field
 - D. record
62. The electronics of computers have come to a point that designing and debugging is done in what fashion?
- A. hardware first
 - B. system diagnostics first
 - C. together
 - D. software first
63. In a collegial setting, who should evaluate user interface efficiency?
- A. the programmer
 - B. the user
 - C. the system analyst
 - D. the user's supervisor
64. The user interface is a manner or place where interaction occurs between which one of the following?
- A. user and Internet
 - B. humans and machines
 - C. computer and networks
 - D. Intranet and Extranet
65. What is the world's largest profession that advances technology?
- A. IAT
 - B. IEAT
 - C. IEEE
 - D. MSCE
66. What is the world's largest profession that advances technology?
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67. '.MOV' extension refers usually to what kind of file?

- A. animation movie file
- B. image file
- C. audio file
- D. MS Office document

68. '.MPG' extension refers usually to what kind of file?

- A. WordPerfect Document file
- B. image file
- C. animation/movie file
- D. MS Office document image file

69. In which decade was the SPICE simulator introduced?

- A. 1980s
- B. 1960s
- C. 1970s
- D. 1950s

70. Changes to computer interfaces must prioritize issues pertaining to which one of the following?

- A. system hardware
- B. system software
- C. operating system
- D. system users

71. What is the user interface in MS Access?

- A. Report
- B. Table
- C. Objects
- D. Form

72. The number of columns is determined by the maximum number of ____ that are inserted within each row, according to the original HTML specifications.

- A. headers
- B. indices
- C. columns
- D. cells

73. HTML allows you to identify the different parts of your table using which tag(s)?

- A. <thead>

- B. all the answers are correct
- C. <tbody>
- D. <tfoot>

74. Which browser supports caption-side values of left and right to place the caption directly to the left or right of a web table?

- A. Safari
- B. Chrome
- C. Internet Explorer
- D. Firefox

75. The gathering of relevant data that is constantly updated and made available to all who have the authority to access it is completed in an organization by the:

- A. management information systems department
- B. finance department
- C. database department
- D. records department

76. Most modern software applications offer the ability to customize and automate various features using small custom-built mini-programs called:

- A. routines
- B. macros
- C. subroutines
- D. code

77. Who is responsible for database management between computer system structures?

- A. technical writers
- B. programmers
- C. database administrators
- D. project managers

78. What is the most important difference between VPN and SSL among the following?

- A. technical support
- B. bandwidth
- C. security
- D. processing speed

79. Translating the problem statement into a series of sequential steps describing what the program must do is known as which of the following?

- A. debugging
- B. creating the algorithm
- C. writing documentation

D. coding

80. In terms of a system, finished products and information are examples of:

- A. inputs
- B. processing
- C. feedback
- D. outputs

81. When controlling inventory, finished goods information is an example of:

- A. outputs
- B. feedback
- C. inputs
- D. processing

82. Which one of the following functional areas is responsible for evaluation of the entire system?

- A. business analysts
- B. systems analysts
- C. every functional area supervisor
- D. audit

83. The problem statement should include all of the following except:

- A. processing
- B. storage
- C. output
- D. input

84. Which one of the following is the organized process of a set of steps that needs to be followed to analyze, develop, and implement a new information system?

- A. design cycle
- B. analytical cycle
- C. program specification
- D. system development life cycle

85. Most organizations require what type of documentation for performance problems?

- A. substantial
- B. technical
- C. oral
- D. written

86. Which statement correctly identifies the power of suppliers in Porters Five Forces Model?

- A. single supplier
- B. new supply company enters the market

- C. lowest cost of goods and services
- D. substitute or specialized products

87. In what kind of problem can the optimum solution be reached through a single set of steps?

- A. structured problem
- B. a problem without parameters
- C. neurological problem
- D. unstructured problem

88. Technical writers generally provide what important task for the new system?

- A. programs
- B. analysis
- C. network
- D. documentation

89. Name two types of information systems that support the entire organization.

- A. transaction processing systems and office automation systems
- B. enterprise resource planning systems and transaction processing systems
- C. expert systems and office automation systems
- D. enterprise resource planning systems and dashboards

90. Two information systems that support the entire organization are:

- A. enterprise resource planning systems and dashboards
- B. transaction processing systems and office automation systems
- C. enterprise resource planning systems and transaction processing systems
- D. expert systems and office automation systems

91. Enterprise resource planning systems are designed to correct a lack of communications among:

- A. office automation systems
- B. enterprise resource planning systems
- C. transportation processing systems
- D. functional area information systems

92. The ____ determines whether the project should go forward.

- A. program specification
- B. feasibility assessment
- C. opportunity identification
- D. system evaluation

93. The first step in the systems development life cycle is:

- A. problem/opportunity identification
- B. design

- C. development and documentation
- D. analysis

94. Which one of the following describes an architecture?

- A. artifact
- B. deliverable
- C. building block
- D. solution building block

95. Within SDLC, the make-or-buy decision is associated with which one of the following?

- A. problem/opportunity identification
- B. development and documentation
- C. analysis
- D. design

96. Goals for an information system must accomplish which objective?

- A. functional support
- B. organization support
- C. divisional support
- D. tactical planning objectives

97. The statement of purpose for an organization is which one of the following?

- A. Strategic plan
- B. Objective goals
- C. Mission
- D. Vision

98. Determining whether the project should go forward occurs in which stage?

- A. program specification
- B. system evaluation
- C. feasibility assessment
- D. opportunity identification

99. Translating the algorithm into a programming language occurs at the ____ step in the SDLC.

- A. coding
- B. algorithm development
- C. testing and documentation
- D. debugging

100. Who spends most of their time in the beginning stages of the SDLC, talking with users, gathering information, documenting systems, and proposing solutions?

- A. network engineers
- B. systems analysts
- C. database administrators
- D. project managers

Answers

- | | | |
|-------|-------|--------|
| 1. D | 41. A | 81. A |
| 2. C | 42. C | 82. D |
| 3. A | 43. B | 83. B |
| 4. A | 44. D | 84. D |
| 5. D | 45. D | 85. D |
| 6. D | 46. D | 86. A |
| 7. C | 47. A | 87. A |
| 8. C | 48. D | 88. D |
| 9. C | 49. B | 89. B |
| 10. B | 50. D | 90. C |
| 11. C | 51. D | 91. D |
| 12. B | 52. A | 92. B |
| 13. C | 53. B | 93. A |
| 14. A | 54. B | 94. A |
| 15. A | 55. C | 95. D |
| 16. B | 56. D | 96. B |
| 17. C | 57. A | 97. C |
| 18. D | 58. B | 98. C |
| 19. D | 59. B | 99. A |
| 20. B | 60. C | 100. B |
| 21. D | 61. C | |
| 22. B | 62. C | |
| 23. C | 63. B | |
| 24. A | 64. B | |
| 25. B | 65. C | |
| 26. D | 66. A | |
| 27. C | 67. A | |
| 28. C | 68. C | |
| 29. A | 69. C | |
| 30. A | 70. D | |
| 31. C | 71. D | |
| 32. A | 72. D | |
| 33. D | 73. B | |
| 34. A | 74. D | |
| 35. C | 75. A | |
| 36. B | 76. B | |
| 37. A | 77. C | |
| 38. C | 78. C | |
| 39. B | 79. B | |
| 40. B | 80. D | |