Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Computer ____ entails having the knowledge and understanding of computers and their uses.
   a. literacy  c. legitimacy
   b. intimacy  d. infancy

2. A(n) ____ is an electronic device, operating under the control of instructions stored in its own memory, that can accept data, process the data according to specified rules, produce results, and store the results for future use.
   a. input device  c. output device
   b. computer  d. both a and c

3. The ____ unit is a case that contains electronic components of the computer that are used to process data.
   a. control  c. arithmetic
   b. system  d. base

4. ____ computing involves reducing the electricity consumed and environmental waste generated when using a computer.
   a. Green  c. Streamlined
   b. Universal  d. Comprehensive

5. ____ is the process of setting up the software to work with the computer, printer, and other hardware components.
   a. Running  c. Loading
   b. Installing  d. Leading

6. The term, ____, refers to any personal computer based on the original IBM personal computer design.
   a. Macintosh  c. clone
   b. PC-friendly  d. PC-compatible

7. A(n) ____ computer is a type of personal computer designed so the system unit, input devices, and any other devices fit entirely on or under a desk or table.
   a. desktop  c. encapsulated
   b. mobile  d. handheld

8. Offering the convenience of one-handed operation, a(n) ____ phone is an Internet-enabled telephone that usually also provides PDA capabilities.
   a. text  c. instant
   b. smart  d. messaging

9. ____ are two of the more widely accessed Internet services.
   a. The World Wide Web and e-mail  c. Mailing lists and chat rooms
   b. FTP and message boards  d. Instant messaging and newsgroups

10. The Internet has its roots in a networking project started by the Pentagon’s ____ , an agency of the U.S. Department of Defense.
    a. NSFnet  c. MPEG
    b. ARPA  d. LISTSERV
11. Although it is an inexpensive way for users to connect to the Internet, ____ is slow-speed technology.
   a. a cable modem       c. a dial-up connection
   b. DSL                   d. ISDN

12. Until 1995, NSFnet handled the bulk of communications activity, or ____, on the Internet.
   a. volume       c. traffic
   b. modulation    d. access

13. ____ is a technology that provides high-speed Internet connection using regular copper telephone lines.
   a. DSL       c. CMOS
   b. ISP       d. OSP

14. On a Web page, a(n) ____ is a small version of a larger graphic.
   a. keyframe       c. applet
   b. thumbnail     d. extraction

15. The ____ defines a popular video compression standard.
   a. Moving Pictures Experts Group (MPEG)
   b. Advanced Research Projects Agency (ARPA)
   c. National Science Foundation (NSF)
   d. Digital Subscriber Line (DSL)

16. Most e-commerce actually takes place between businesses, which is called ____.
   a. consumer-to-business (C2B) e-commerce
   b. business-to-consumer (B2C) e-commerce
   c. consumer-to-consumer (C2C) e-commerce
   d. business-to-business (B2B) e-commerce

17. ____ is a real-time Internet communications service that notifies users when one or more people are online and then allows them to exchange messages or files or join a private chat room.
   a. Wikispace   c. Chattalk
   b. IM      d. Communispace

18. A computer that stores and distributes newsgroup messages is called a ____.
   a. news client       c. news server
   b. newsreader     d. newsmonger

19. A(n) ____ is an online area in which users have written discussions about a particular subject.
   a. newsgroup       c. real area
   b. blueprint     d. talk space

20. A(n) ____ consists of an original newsgroup article and all subsequent related replies.
   a. link       c. aggregate
   b. index     d. thread

21. The cases of the system unit, sometimes called the ____, is made of metal or plastic and protects the internal electronic components from damage.
   a. form factor       c. motherboard
   b. chassis     d. chip
22. The ____ board is the main circuit board of the system unit.
   a. control  
   b. system  
   c. master  
   d. index

23. The ____ unit is the component of the processor that directs and coordinates most of the operations in the computer.
   a. control  
   b. concatenation  
   c. compression  
   d. micro

24. The ____ is the component of the processor that performs arithmetic, comparison, and other operations.
   a. machine unit  
   b. control unit  
   c. ALU  
   d. CPU

25. Synchronous DRAM (SDRAM) chips ____.
   a. transfer data twice for each clock cycle, when compared to DRAM  
   b. are synchronized to the system clock  
   c. do not have to be re-energized as often as DRAM chips  
   d. use pipelining techniques

26. Double Data Rate SDRAM (DDR SDRAM) chips are even faster than SDRAM chips because they ____.
   a. transfer data twice for each clock cycle  
   b. are synchronized to the system clock  
   c. do not have to be re-energized as often  
   d. use pipelining techniques

27. A(n) ____, such as a keyboard or printer, is a device that connects to the system unit and is controlled by the processor in the computer.
   a. graphics unit  
   b. output system  
   c. peripheral  
   d. video card

28. ExpressCard modules are the next generation of ____ Cards.
   a. Flash  
   b. PC  
   c. integrated  
   d. embedded
29. A(n) ____ drive like that in the accompanying figure fits into a port that is itself an interface that can connect up to 127 different peripherals together with a single connector.
   a. hub  
   b. USB  
   c. daisy  
   d. smart

30. The PCI bus is ____.
   a. the most common and slowest expansion bus  
   b. a bus designed by Intel to improve the speed with which 3-D graphics and video transmit  
   c. a high-speed expansion bus that connects higher speed devices  
   d. a bus that eliminates the need to install cards into expansion slots
31. A(n) ____, such as that shown in the accompanying figure, is a pointing device that fits comfortably under the palm of the hand.
   a. light pen
   b. stylus
   c. mouse
   d. trackpad

32. A newer type of the kind of device shown in the accompanying figure is a(n) ____ mouse, which is motion-sensing.
   a. resolution
   b. traction
   c. optical
   d. air
33. Often used by photojournalists, a _____ is a portable version of the technology shown in the accompanying figure that has many lenses and other attachments.
   a. studio camera c. field camera
   b. plug-and-play camera d. point-and-shoot camera

34. Manufacturers often use _____ to represent the resolution of a digital camera like the one shown in the accompanying figure.
   a. points per inch (ppi) c. points per screen (pps)
   b. pixels per screen (pps) d. pixels per inch (ppi)

35. The actual photographed resolution of a digital camera like the one shown in the accompanying figure is known as the _____.
   a. optical resolution c. enhanced resolution
   b. standard resolution d. visual resolution

36. A(n) ____ scanner works in a manner similar to a copy machine except it creates a file of the document in memory instead of a paper copy.
   a. drum c. roller
   b. baseline d. flatbed

37. Many companies use OCR characters on a(n) ____ document, which is a document that is returned to the company that creates and sends it.
   a. flip c. report
   b. inverse d. turnaround

38. Retail and grocery stores use the ____ bar code.
   a. UPC (Universal Product Code) c. Codabar
   b. Interleaved 2 of 5 d. POSTNET (Postal Numeric Coding Technique)

39. A(n) ____ reader converts MICR characters into a form the computer can process.
   a. MICR c. terminal
   b. POS d. OCR
40. The ____ requires any company with 15 or more employees to make reasonable attempts to accommodate the needs of physically challenged workers.
   a. ADA  c. W3C
   b. AMA  d. Smith-Rakoff Act of 1997

41. Newer video cards usually have a standard monitor port and a(n) ____ port, allowing users to connect external devices such as a television, DVD player, and video recorder to the computer.
   a. MIDI  c. S-video
   b. USB  d. FireWire

42. ____ is the most advanced form of digital television.
   a. GTV  c. HDTV
   b. XTV  d. CTV

43. A(n) ____ monitor is a desktop monitor that contains a cathode-ray tube.
   a. plasma  c. LCD
   b. large-format  d. CRT

44. A(n) ____ is an output device that produces text and graphics on a physical medium such as paper or transparency film.
   a. scanner  c. resolver
   b. display  d. printer

45. With ____ printing, a printer communicates with a device using light waves.
   a. RF  c. Bluetooth
   b. mobile  d. infrared

46. Some ____ printers spray ink, while others use heat or pressure to create images.
   a. nonimpact  c. band
   b. impact  d. shuttle-matrix
47. Printers like those shown in the accompanying figure, and which are for large business users, print more than ___ ppm.
   a. 150  
   b. 350  
   c. 700  
   d. 750

48. Professionals in the desktop publishing and graphic art fields commonly use ___ because it is designed for complex documents with intense graphics and colors.
   a. PCL  
   b. PageScript  
   c. UML  
   d. PostScript

49. A(n) ___ printer is a special type of label printer that has a built-in digital scale and prints postage stamps.
   a. stamp  
   b. postage  
   c. digital  
   d. USPS

50. Most dot-matrix printers use ___ paper, in which thousands of sheets of paper are connected together end to end.
   a. continuous-form  
   b. impact  
   c. line  
   d. thermal
51. As shown in the accompanying figure, most surround sound speaker systems include one or two center speakers and two or more ____ speakers so that sound emits from all directions.
   a. VoIP   c. MICR
   b. faxback d. satellite

52. Some input devices include ____ output that provides the user with a physical response from the device.
   a. utility c. tactile
   b. interactive d. physical

53. In Windows Vista, instead of using a monitor, blind users can work with voice output via Windows ____ command.
   a. Accessibility Wizard c. Utility Manager
   b. Narrator d. Auditor

54. A(n) ____ device is the computer hardware that records and/or retrieves items to and from storage media.
   a. concatenation c. resolved
   b. indexed d. storage

55. A(n) ____ is made of aluminum, glass, or ceramic and is coated with an alloy material that allows items to be recorded magnetically on its surface.
   a. sector c. vector
   b. read/write head d. platter
56. Some computers improve hard disk access time by using a disk ____ which consists of memory chips that store frequently accessed items.
   a. warehouse
   b. cache
   c. base
   d. home

57. A group of two or more integrated hard disks is called a(n) ____.
   a. pocket
   b. UFC
   c. RAID
   d. baseline

58. ExpressCard modules can be used to add all of the following EXCEPT ____ capabilities to a computer.
   a. memory
   b. storage
   c. printing
   d. communications

59. Many cloud storage providers offer ____.
   a. encryption
   b. Web applications
   c. passwords
   d. all of the above

60. All of the following may scratch or damage an optical disc EXCEPT ____.
   a. holding a disk by its edges
   b. stacking disks
   c. touching the underside of a disc
   d. exposing disks to any type of contaminant

61. A typical CD-ROM holds from ____ of data, instructions, and information.
   a. 450 MB - 650 MB
   b. 45 MB - 100 MB
   c. 650 GB - 950 GB
   d. 650 MB - 1 GB

62. Current CD-ROM drives have transfer rates ranging from ____.
   a. 4X - 8X
   b. 24X - 48X
   c. 48X - 75X
   d. 100X and faster

63. Instead of using CD-R, many users opt for ____ which is an erasable multisession disc users can write on multiple times.
   a. CD-W
   b. CD-WR
   c. CD-RW
   d. CD-X

64. A(n) ____ is a multisession optical disc on which users can write but not erase their own items such as text, graphics, and audio.
   a. CD-R
   b. CD-W
   c. CD-RW
   d. CD-RWR

65. To write on a CD-RW disc, users must have CD-RW software and a CD-RW ____.
   a. port
   b. bus
   c. drive
   d. shell

66. ____ is a magnetically coated ribbon of plastic capable of storing large amounts of data and information at a low cost.
   a. Tape
   b. Opticon
   c. Indexed data
   d. Threaded memory
67. The use of microfilm and microfiche provides all of the following advantages except ____.
   a. they greatly reduce the amount of paper firms must handle
   b. they are inexpensive
   c. they have the longest life of any storage media
   d. they can be read without a microfilm or microfiche reader

68. A cross-platform program is one that runs ____.
   a. only on one operating system
   b. differently on every operating system
   c. the same on multiple operating systems
   d. differently on one operating system

69. The operating system that a computer uses sometimes is called the ____.
   a. base
   b. platform
   c. index
   d. boot system

70. The ____ is firmware that contains a computer’s startup instructions.
   a. POST
   b. BIOS
   c. CMOS
   d. DIOS

71. The Aero interface in Windows Vista shown in the accompanying figure offers ____.
   a. an enhanced visual look
   b. animation
   c. additional navigation options
   d. all of the above

72. Windows Vista ____ offers the Aero interface (shown in the accompanying figure) to basic users.
   a. Home Basic
   b. Home Premium
   c. Professional
   d. Enterprise

73. With ____ memory, the operating system allocates a portion of a storage medium, usually the hard disk, to function as additional RAM.
   a. virtual
   b. performance
   c. device
   d. managed
74. Windows ____ is an upgrade to Windows 2003 Server.
   a. UNIX          c. Server 2008
   b. NetWare       d. Embedded CE

75. A personal ____ is a utility that detects and protects a computer from unauthorized intrusions.
   a. firewall       c. threat neutralizer
   b. antihacker     d. protection utility

True/False
Indicate whether the statement is true or false.

76. Computers process information (output) into data (input).

77. A printer displays text, graphics, and videos on a screen.

78. In many networks, one or more computers act as a server.

79. A pod is a miniature image such as that shown in the accompanying figure that represents a program, an instruction, or some other object.

80. Hardware requirements for a small office/home office (SOHO) user include game consoles.

81. Gmail and Windows Live Hotmail are two popular free e-mail Web applications.
82. Female connectors have one or more exposed pins, like the end of an electrical cord that is plugged into the wall.

83. Manufacturers often identify cables by their connector types to assist users with purchasing a cable to connect to a peripheral.

84. As a user moves a mouse, the pointer on the screen also moves.

85. A joystick usually includes buttons called triggers that are pressed to activate certain events.

86. To transfer recorded images from a digital video (DV) camera to a hard disk or optical disc, a computer needs a video capture card.

87. The cost of a Web cam usually is less than $50.

88. Ergonomics is the technology of authenticating a person's identity by verifying a personal characteristic.

89. The lower the time in milliseconds it takes to turn a pixel on or off on an LCD monitor, the slower the response time.

90. With game consoles, the output device often is a television.

91. Most ink-jet printers have at least two print cartridges: one containing black ink and the other(s) containing colors.

92. Some photo printers have built-in LCD color screens, allowing users to view and enhance pictures before printing them.

93. Storage requirements among all kinds of users are exactly the same.

94. Faster CD-ROM drives are less expensive than slower drives.

95. DVD-R and DVD+R are competing DVD-recordable formats.

96. Tape cartridges that contain quarter-inch-wide tape are slightly smaller than audiocassette tapes.

97. The advantage of device-dependent operating systems is that users can retain existing application software and data even if they change computer models or vendors.

98. Windows Vista Ultimate includes all features of Windows Vista Home Premium and provides additional features designed to make mobile users’ computers more secure and easier to network.

99. In Windows Vista, the Windows SideShow feature connects to personalized mini-applications, called gadgets, such as weather, photos, or headline news.

100. Most editions of Windows Server 2008 include Hyper-V, which is a virtualization technology.