CS200-Chapter5-Homework

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

1. A(n) ____ is an input device that contains keys users press to enter data and instructions into a computer.
   a. keyboard  
   b. light pen  
   c. gamepad  
   d. stylus

2. As shown in the accompanying figure, a(n) ____ is a touch-sensitive display device.
   a. stylus  
   b. touch screen  
   c. gamepad  
   d. touch remote

3. A(n) ____ is a freestanding computer that includes a touch screen.
   a. encoder  
   b. kiosk  
   c. modem  
   d. telemeter
4. The Wii ____ is a motion-sensing input device that uses Bluetooth wireless technology to communicate with the Wii game console.
   a. Tooth
   b. Bluetool
   c. Remote
   d. gamepad

5. On a ____, sometimes called a game controller, users press buttons or move sticks in various directions to activate events.
   a. gamepad
   b. Click Wheel
   c. trackball
   d. touch screen

6. ____ is the process of entering data by speaking into a microphone.
   a. MIDI
   b. Speech recognition
   c. Voice over
   d. Voice input

7. Voice input is part of a larger category of input called ____ input.
   a. audible
   b. audio
   c. integrated
   d. aural

8. Voice ____ is the process of entering input by speaking into a microphone.
   a. recognition
   b. input
   c. concatenation
   d. indexing

9. Audio ____ is the process of entering any sound into the computer such as speech, music, and sound effects.
   a. recognition
   b. input
   c. concatenation
   d. indexing

10. A(n) ____ is the smallest element in an electronic image.
    a. bit
    b. candela
    c. pixel
    d. nit
11. As shown in the accompanying figure, a ____ is a video camera that displays its output on a Web page.
   a. Web cam  
   b. PDA  
   c. PC camera  
   d. video conference  

12. A(n) ____ conference is a meeting between two or more geographically separated people who use a network or the Internet to transmit audio and video data.
   a. video  
   b. distance  
   c. dynamic  
   d. professional  

13. A(n) ____ cam enables a home or small business user to capture video and still images, send e-mail messages with video attachments, add live images to instant messages, broadcast live images over the Internet, and make video telephone calls.
   a. online  
   b. Web  
   c. conference  
   d. vid  

14. 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. thermal  
   b. drum  
   c. flatbed  
   d. rolling  

15. A bar code ____ uses laser beams to read bar codes.
   a. device  
   b. cam  
   c. processor  
   d. reader  

16. An MICR ____ converts MICR characters into a form the computer can process.
   a. device  
   b. cam  
   c. processor  
   d. reader
17. A fingerprint ____ captures curves and indentations in a fingerprint.
   a. identifier   c. reader
   b. biometer     d. processor

18. ____ is data that has been processed into a useful form.
   a. Concatenation   c. Output
   b. Recognition     d. Input

19. A ____ device is an output device that visually conveys text, graphics, and video information.
   a. processor      c. graphical
   b. basal          d. display

20. A(n) ____ is a display device that is packaged as a separate peripheral.
    a. scanner       c. monitor
    b. biometer      d. both a and c

21. A(n) ____ monitor like the one shown in the accompanying figure, uses a liquid crystal display to produce images.
    a. pixel         c. plasma
    b. graphical     d. LCD
22. ____ describes the difference in light intensity between the brightest white and darkest black that can be displayed on a monitor like the one in the accompanying figure.
   a. Pixel pitch  
   b. Resolution  
   c. Contrast ratio  
   d. Refresh rate

23. The quality of a monitor like the one in the accompanying figure depends primarily on its ____.
   a. screen size  
   b. resolution  
   c. base  
   d. voltage

24. ____ is the number of horizontal and vertical pixels in a display device.
   a. Pixel depth  
   b. Color index  
   c. Bit depth  
   d. Resolution

25. A(n) ____ monitor is a display device that uses gas plasma technology, which sandwiches a layer of gas between two glass plates.
   a. resolved  
   b. topology  
   c. plasma  
   d. gaseous

26. For a display device like the one in the accompanying figure, all of the following are common sizes EXCEPT ____ inches.
   a. 15  
   b. 17  
   c. 20  
   d. 22
27. A(n) ____ monitor like the one in the accompanying figure is a desktop monitor that contains a cathode ray tube.
   a. LCD     c. plasma
   b. CRT     d. PCX

28. ____ is a wireless technology for printing.
   a. RFID     c. Bluetooth
   b. Stylus   d. Wii

29. Printer resolution is measured in ____.
   a. pixels     c. hertz
   b. dots per inch     d. pages per minute

30. A(n) ____ printer is any category of printer that forms characters and graphics on a piece of paper without actually striking the paper.
   a. character     c. nonimpact
   b. laser     d. ink-jet

31. A(n) ____ printer is a type of nonimpact printer that forms characters and graphics by spraying tiny drops of liquid ink onto a piece of paper.
   a. plasma     c. ink-jet
   b. thermal     d. dot-matrix

32. A(n) ____ generates images by pushing electrically heated pins against heat-sensitive paper.
   a. laser printer     c. photo-quality printer
   b. thermal printer     d. ink-jet printer

33. A(n) ____ peripheral is a single device that looks like a copy machine but provides the functionality of a printer, scanner, copy machine, and perhaps a fax machine.
   a. multivariate     c. multiple
   b. multifunction     d. multifaceted

34. A dot-matrix printer is a kind of ____ printer.
   a. laser     c. nonimpact
   b. plotter     d. impact

35. A(n) ____ printer forms characters and graphics on a piece of paper by striking a mechanism against an inked ribbon that physically contacts the paper.
   a. laser     c. plotter
   b. impact     d. ink-jet

36. A(n) ____ output device is a component of a computer that produces music, speech, or other sounds, such as beeps.
   a. video     c. aural
   b. audio     d. sensory

37. To boost low bass sounds, surround sound speaker systems also include a ____.
   a. headset     c. subwoofer
   b. graphics chips     d. multifunction peripheral
38. ____ are audio output devices that rest inside the ear canal.
   a. Faxes  
   b. Audiophones  
   c. UPCs 
   d. Earbuds

39. The ____ requires any company with 15 or more employees to make reasonable attempts to accommodate the needs of physically challenged workers.
   a. Sarbanes-Oxley Act  
   b. ADA  
   c. Workers’ Protection Act  
   d. W3C Act

40. Two output options for blind users are ____.
   a. Braille printer and headset  
   b. voice output and Braille printer  
   c. on-screen keyboard and head-mounted pointer  
   d. head mounted pointer and voice recognition

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

41. A wireless keyboard uses ultraviolet light waves to communicate with the computer.
42. If a touch screen like the one in the accompanying figure recognizes multiple points of contact at the same time, it is known as a multi-touch screen.

43. Many handheld game consoles have touch screens.

44. Gamepads can communicate with a game console or personal computer via wired or wireless technology.

45. Joysticks and wheels are typically wireless and not attached via a cable to a personal computer or game console.

46. Musical instrument and balance board controllers communicate with game consoles via wired or wireless technology.

47. The most expensive kind of digital camera is a field camera.

48. One factor that affects the quality of a digital camera is its resolution.

49. The only equipment necessary for a video conference is a Web cam.
50. A digital video camera records video as an analog signal.

51. RFID requires line-of-sight transmission.

52. A bar code identifies the price, the manufacturer, and the size of the product.

53. Exposure to a magnet or magnetic field can erase the content of a card’s magnetic stripe.

54. Some newer keyboards and notebook computers have a fingerprint scanner built into them.

55. Signature verification systems use a specialized pen and tablet.

56. An ATM is a self-service banking machine that connects to a host computer through a network.

57. Plasma monitors offer smaller screen sizes and lower display quality than LCD monitors, but are less expensive.

58. All high-quality CRT monitors like the one shown in the accompanying figure comply with a set of standards that defines acceptable levels of EMR.
59. Monitors like the one in the accompanying figure produce a small amount of electromagnetic radiation.

60. Many different printers exist with varying speeds, capabilities, and printing methods.

61. Operating in a manner similar to a copy machine, a dye-sublimation printer creates images using a laser beam and powdered ink, called toner.

62. A disadvantage of multifunction peripherals is that they are significantly more expensive than if a user purchased each device separately.

63. Most personal computers have a small internal speaker that emits high-quality sound.

64. An on-screen keyboard is a graphic of a standard keyboard that is displayed on the user’s screen.

65. Visually impaired users can change Windows Vista settings to increase the size or change the color of text, making it easier to read.