**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. processing

b. Uniform Resource Locator(URL)

c. tablet computer

d. computer

e. Web site

\_\_\_\_\_1. A collection of related Web pages usually belonging to an organization or individual

\_\_\_\_\_2. An Internet address, usually beginning with http:// that uniquely identifies a Web page

\_\_\_\_\_3. A programmable, electronic device that accepts data input, performs processing operations on that data, and outputs and stores the results

\_\_\_\_\_4. A portable computer about the size of a notebook that is designed to be used with a digital pen

\_\_\_\_\_5. Performing operations on data that has been input into a computer to convert that input to output

1. e 2. b 3. d 4. c 5. a

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. wearable device

b. Internet of Things

c. mobile app

d. RFID

e. NFC

\_\_\_\_\_\_\_1. Type of wireless connection that uses close-range radio signals to transmit data between NFC-enabled devices

\_\_\_\_\_\_\_2. Technology that uses radio signals to communicate with a tag placed in or attached to an object, an animal, or a person

\_\_\_\_\_\_\_3. An application you download from a mobile device’s application store or other location on the Internet to a smartphone or other mobile device

\_\_\_\_\_\_\_4. Small mobile computing consumer device designed to be worn and that often communicate with a mobile device or printer

\_\_\_\_\_\_\_5. Term that describes an environment where processors are embedded in every product imaginable (things), and those ‘things’ communicate with each other via the Internet

1. e 2.d 3. c 4. a 5. b

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. ASCII

b. byte

c. parallel processing

d. RAM (random access memory)

e. Universal Serial Bus (USB)

\_\_\_\_1. A processing technique that uses multiple processors or processing cores simultaneously, usually to process a single job as fast as possible

\_\_\_\_2. A fixed-length, binary coding system used to represent text-based data for computer processing on many types of computers

3. A group of 8 bits

\_\_\_ 4. A universal bus used to connect up to 127 peripheral devices to a computer without requiring the use of additional expansion cards

\_\_\_ 5. Chips connected to the motherboard that provide a temporary location for the computer to hold data and program instructions while they are needed

1. c 2. a 3. b 4. e 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. binary numbering system

b. central processing unit (CPU)

c. control unit

d. motherboard

1. Nanotechnology

\_\_\_\_\_\_\_\_\_1. The chip located on the motherboard of a computer that performs most of the processing for a computer

\_\_\_\_\_\_\_\_\_2. The main circuit board of a computer, located inside the system unit, to which all computer system components connect

\_\_\_\_\_\_\_\_\_3. The numbering system that represents all numbers using just two symbols (0 and 1)

\_\_\_\_\_\_\_\_\_4. The part of the CPU that coordinates its operations

\_\_\_\_\_\_\_\_\_5. The science of creating tiny computers and components by working at the individual atomic and molecular levels

1. b 2. d 3. a 4. c 5. e

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. cell

b. field

c. shareware

d. label

e. domain software

\_\_\_\_1. A single category of data to be stored in a database, such as a person's name or phone number; also called a column

\_\_\_2. A text-based entry in a worksheet cell that identifies data on the worksheet

\_\_\_3. Copyrighted software that is distributed on the honor system; consumers should either pay for it or uninstall it after the trial period

\_\_\_\_4. Software that is not copyrighted and may be used without restriction

\_\_\_\_ 5. The location at the intersection of a row and column on a worksheet into which data can be typed

1. b 2. d 3. e 4. c 5. a

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. cell

b. field

c. shareware

d. label

e. domain software

\_\_\_\_1. A single category of data to be stored in a database, such as a person's name or phone number; also called a column

\_\_\_2. A text-based entry in a worksheet cell that identifies data on the worksheet

\_\_\_3. Copyrighted software that is distributed on the honor system; consumers should either pay for it or uninstall it after the trial period

\_\_\_\_4. Software that is not copyrighted and may be used without restriction

\_\_\_\_ 5. The location at the intersection of a row and column on a worksheet into which data can be typed

1. b 2. d 3. e 4. c 5. a

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. Android

b. antivirus

c. driver

d. fragmented

e. Multitasking

\_\_\_\_\_\_\_1. Type of program that guards computer systems from viruses and other damaging programs.

\_\_\_\_\_\_\_2. Program that works with the operating system to allow communication between a device and the rest of a computer system is called a device \_\_\_\_. .

\_\_\_\_\_\_\_3. If a file cannot be saved on a single track, it has to be \_\_\_\_\_\_.

\_\_\_\_\_\_\_4. Switching between different applications

\_\_\_\_\_\_\_5. Mobile operating system that is owned by Google and is widely used in many smartphones.

1. b 2. c 3. d 4. e 5. a

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. Android

b. backup

c. device driver

d. utility program

e. virtual memory

\_\_\_\_\_\_\_1. A duplicate copy of data or other computer content for use in the event that the original version is destroyed

\_\_\_\_\_\_\_2. A Linux-based operating system designed for mobile devices and developed by the Open Handset Alliance, which is a group of companies led by Google

\_\_\_\_\_\_\_3. A memory-management technique that uses hard drive space as additional RAM

\_\_\_\_\_\_\_4. A program that enables an operating system to communicate with a specific hardware device

\_\_\_\_\_\_\_5. A type of software that performs a specific task, usually related to managing or maintaining a computer system

1. b 2. a 3. e 4. c 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. debugging

b. flowchart

c. object code

d. coding

e. syntax error

\_\_\_\_\_1. A programming error that occurs when the programmer has not followed the rules of the programming language

\_\_\_\_\_2. A program design tool that graphically shows step-by-step how a computer program will process data

\_\_\_\_\_3. The machine language version of a computer program generated when the program’s source code is compiled

\_\_\_\_\_4. The process of ensuring a program is free of errors

\_\_\_\_\_5. The process of writing the programming language statements to create a computer program

1. e 2. b 3. c 4. a 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. compiler

b. logic error

c. object-oriented programming (OOP)

d. software development kit (SDK)

1. source code

\_\_\_\_\_1. A computer program before it is compiled

\_\_\_\_\_2. A language translator that converts an entire program into machine language before executing it

\_\_\_\_\_3. An approach to program design in which a program consists of objects that contain data (attributes) and processes (methods) to be used with those objects

\_\_\_\_\_4. A programming package designed for a particular platform that enables programmers to develop applications for that platform more quickly and easily

\_\_\_\_\_5. A programming error that occurs when running a program produces incorrect results.

1. e 2. a 3. c 4. d 5. b

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. database

b. index

c. primary key

d. query

1. Record

\_\_\_\_\_\_\_1. A collection of related data that is stored in a manner enabling information to be retrieved as needed

\_\_\_\_\_\_\_2. A collection of related fields in a database and also called a row

\_\_\_\_\_\_\_3. A request to see information from a database that matches specific criteria

\_\_\_\_\_\_\_4. A small table containing a primary key and the location of the record belonging to that key; used to locate records in a database

\_\_\_\_\_\_\_5. A specific field in a database table that uniquely identifies the records in that table

1. a 2. e 3. d 4. b 5.c

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. data dictionary

b. data validation

c. middleware

d. relational database management system (RDBMS)

1. table

\_\_\_\_\_\_\_1. A type of database system in which data is stored in tables related by common fields; the most widely used database mode today

\_\_\_\_\_\_\_2. In a relational database, a collection of related records (rows)

\_\_\_\_\_\_\_3. Software used to connect two otherwise separate applications, such as a Web server and a database management system

\_\_\_\_\_\_\_4. The process of ensuring that data entered into a database matches the data definition

\_\_\_\_\_\_ 5. The repository of all data definitions in a database

1. d 2. e 3. c 4. b 5. a

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. antenna

b. Bluetooth

c. computer network

d. mesh network

e. switch

\_\_\_\_\_\_1. A collection of computers and other hardware devices that are connected together to share hardware, software, and data, as well as to communicate electronically with one another

\_\_\_\_\_\_2. A device used for receiving or sending radio signals; often used to increase the range of a network

\_\_\_\_\_\_3. A device used to connect multiple devices on a single (typically wired) network; forwards packets to only the intended recipient

\_\_\_\_\_\_4. A networking standard for very short-range wireless connections; the devices are automatically connected once they get within the allowable range

\_\_\_\_\_\_5. A network in which there are multiple connections between the devices on the network so that messages can take any of several possible paths

1. c 2. a 3. e 4. b 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. analog

b. bus

c. intrusion detection systems

d. microwave

1. network administrator

\_\_\_\_\_\_\_1. Type of network topology in which each device is connected to a common cable called a backbone.

\_\_\_\_\_\_\_2. Signals that are continuous electronic waves.

\_\_\_\_\_\_\_3. A computer specialist responsible for efficient network operations and implementation of new networks.

\_\_\_\_\_\_\_4. Work with firewalls to protect an organization's network.

\_\_\_\_\_\_\_5. Uses high-frequency radio waves.

1. b 2. a 3. e 4. c 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. smartphone

b. tablet

c. laptop

d. Wi-Fi

e. hotspot

\_\_\_\_\_\_1. Broadband Internet connection that uses radio signals to provide connections to computers and devices with build-in Wi-Fi capability or a communications device that enables Wi-Fi connectivity

\_\_\_\_\_\_2. Thin, lightweight mobile computer with a screen in its lid and a keyboard in its base, designed to fit on your lap

\_\_\_\_\_\_3. A wireless network that provides Internet connections to mobile computers devices

\_\_\_\_\_\_4. An Internet-capable phone that usually also includes a calendar, an appointbook, an address book, a calculator, a notepad, game, browser, and numerous other apps

\_\_\_\_\_\_5. Thin, lighter weight mobile computer that has a touch screen, usually smaller than a laptop but larger than a phone

1. d 2. c 3. e 4. a 5. b

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. social media

b. World Wide Web (WWW)

c. Internet

d. keyword

1. Podcast

\_\_\_\_\_\_\_1. A recorded audio or video file that can be played or downloaded via the Web

\_\_\_\_\_\_\_2. A word typed in a search box on a search site to locate information on the Internet

\_\_\_\_\_\_\_3. The collection of social networking sites and other communications channels used to transmit or share information with a broard audience

\_\_\_\_\_\_\_4. The collection of Web pages available through the Internet

\_\_\_\_\_\_ 5. The largest and most well-known computer network, linking millions of computers all over the world

1. e 2. d 3. a 4. b 5. c

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. e-commerce

b. e-tailer

c. m-commerce

d. meta tag

e. Web analytics

\_\_\_\_\_\_1. An online retailer

\_\_\_\_\_\_2. E-commerce carried out via smartphones and other mobile devices

\_\_\_\_\_\_3. Statistics about Web site traffic that can be used to help evaluate the effectiveness of a Web site or a Web site promotion strategy

\_\_\_\_\_\_4. A special HTML or XHTML tag containing information about the Web page that

is added by the person creating a Web page and is used primarily by search sites

\_\_\_\_\_\_5. The act of doing business transactions over the Internet or similar technology

1.b 2. c 3. e 4. d 5. a

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. brick-and-mortar store

b. business-to-business (B2B) model

c. business-to consumer (B2C) model

d. digital wallet

1. online payment service

\_\_\_\_1. A conventional store with a physical presence

\_\_ 2. A type of payment service accessed via the Internet and used to make electronic payments to others，such as via deposited funds, a bank account, or a credit card

\_\_\_ 3. An e-commerce model in which a business provides goods or services to other businesses

\_\_\_ 4. An e-commerce model in which a business provides goods or services to consumers

\_\_ 5. An app or online service that stores information (such as credit, debit, and loyalty cards; digital coupons; and shipping information) and that can be used to speed up purchase transactions

1.a 2. e 3. b 4. c 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. disaster recovery plan

b. presence technology

c. surge suppressor

d. system failure

e. uninterruptible power supply (UPS)

\_\_\_\_\_\_1. A device containing a built-in battery that provides continuous power to a computer and other connected when the electricity goes out

\_\_\_\_\_\_2. A device that protects hardware from damage due to electrical fluctuations

\_\_\_\_\_\_3. A written plan that describes the steps a company will take following the occurrence of a disaster

\_\_\_\_\_\_4. Technology that enables one computing device (such as a computer or mobile device) to locate and identify the current status of another device on the same network

\_\_\_\_\_\_5. The complete malfunction of a computer system

1. e 2. c 3. a 4. b 5. d

**Match each numbered item with the most closely related lettered item. Write your answers in the spaces provided.**

a. digital counterfeiting

b. full disk encryption (FDE)

c. information piracy

d. software piracy

e. spam

\_\_\_\_\_\_1. The rights of individuals and companies to control how information about them is collected and used

\_\_\_\_\_\_2. A technology that encrypts everything stored on a storage medium automatically without any user interaction

\_\_\_\_\_\_3. The unauthorized copying of a computer program

\_\_\_\_\_\_4. The use of computers or other types of digital equipment to make illegal copies of currency, checks, collectibles, and other items

\_\_\_\_\_\_5. Unsolicited, bulk E-mail sent over the Internet

1. a 2. b 3. d 4. c 5. e