Discovering Computers Essentials 2016 1st edition Vermaat Test Bank

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Name:_____ Class:_____ Date:_____

Chapter 02: Connecting and Communicating Online

1. The Internet has its roots in a network that became functional in 1969, linking scientific and academic researchers across the United States. What was the name of that network?

a. ARPANET b. NSFnet
c. LISTSERV d. MPEG

ANSWER: a
POINTS: 1
REFERENCES: 56
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

2. Which of the following oversees research for the Internet?

a. ARPANET b. NSFnet
c. NASA d. World Wide Web Consortium (W3C)

ANSWER: d
POINTS: 1
REFERENCES: 58
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

3. What is the name for a small device that connects to a computer?

a. tip b. dongle
c. trigger d. cell

ANSWER: b
POINTS: 1
REFERENCES: 58
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

4. Which of the following allows access to high-speed Internet services through the cable television network?

a. cable transceiver b. cable modem
c. cable receiver d. cable dialer

ANSWER: b
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

5. Which of the following high-speed Internet connections use an antenna on a house or business to communicate with a tower location via radio signals?

a. Satellite b. FTTP
c. fixed wireless d. DSL

ANSWER: c
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

6. Which of the following communicates with a satellite dish to provide high-speed Internet connections via satellite?

a. satellite transceiver b. satellite modem

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c. satellite receiver d. satellite dialer

ANSWER: b
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

7. Which of the following is NOT true of a Wi-Fi network?
a. Many home users set them up.
b. A Wi-Fi's Internet service can be dial-up access.
c. Wi-Fi networks send signals to a communications device that is connected to a high-speed Internet service.
d. Many public locations are Wi-Fi hot spots.

ANSWER: b
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

8. Which of the following is a technology that provides high-speed Internet connection using the telephone network?
a. DSL b. ISP
c. CMOS d. OSP

ANSWER: a
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

9. Which of the following is equal to approximately one million characters?
a. kilobyte b. megabyte
c. gigabyte d. terabyte

ANSWER: b
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

10. What is the approximate data usage for sending and receiving 100 messages with no attachments?
a. 1.5 GB b. 0.75-1 GB
c. 3-6 MB d. 5-20 GB

ANSWER: c
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

11. Which of the following is a business that provides individuals and companies access to the Internet for free or for a fee?
a. access provider b. service provider

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c. host provider d. email provider
ANSWER: a
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.3 - 3

12. What separates the components of a domain name?
a. spaces b. apostrophes
c. commas d. periods
ANSWER: d
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

13. Which of the following consists of a worldwide collection of electronic documents?
a. blogworld b. web
c. Internet d. both b and c
ANSWER: b
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

14. What is the term for an electronic document on the web that can contain text, graphics, animation, audio (sound), and video?
a. webpage b. webnet
c. web reader d. web host
ANSWER: a
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

15. Which of the following is a collection of related webpages and associated items, such as documents and pictures, stored on a web server?
a. website b. server reader
c. Internet host d. browser app
ANSWER: a
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

16. Which of the following is application software that allows users to access and view webpages?
a. reader b. browser
c. host d. server
ANSWER: b

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POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

17. Who is the creator of the World Wide Web?
    a. Steve Wozniak b. Steve Jobs
    c. Bill Gates d. Tim Berners-Lee
ANSWER: d
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

18. Which of the following allows users to have multiple home pages that automatically display when the browser runs?
    a. linked browsing b. indexed browsing
    c. matrix browsing d. tabbed browsing
ANSWER: d
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

19. What is the descriptor for a filter that warns or blocks you from potentially fraudulent or suspicious websites?
    a. spoofing b. pop-up
    c. proxy d. phishing
ANSWER: d
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

20. What kind of server is another computer that screens all your incoming and outgoing messages?
    a. proxy b. pop-up
    c. phishing d. filter
ANSWER: a
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

21. Which of the following is a program that finds websites and webpages?
    a. microbrowser b. location utility
    c. web finder d. search engine
ANSWER: d
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

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22. To find a webpage, the user of a search engine would simply enter a word or phrase in the resource's text box. What is the term for that phrase?

a. search text b. icon
c. hit d. key

ANSWER: a
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

23. A search engine displays a list of webpage names that contain the search text. What is the term for that list?

a. keywords b. icons
c. hits d. pulls

ANSWER: c
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

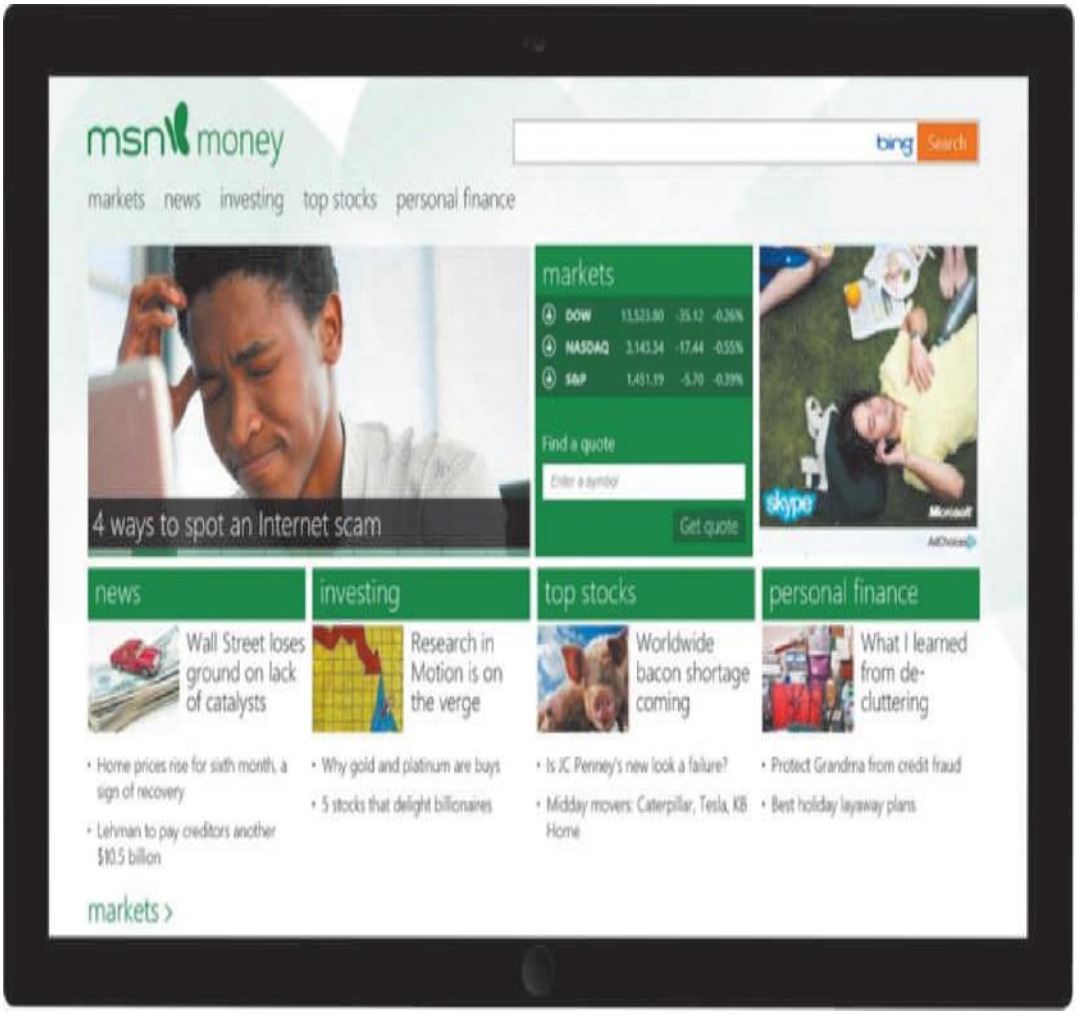
24. Which of the following is the process of transferring data in a continuous and even flow, which allows users to access and use a file while it is transmitting?

a. casting b. streaming
c. surfing d. flowing

ANSWER: b
POINTS: 1
REFERENCES: 79
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

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25. Which of the following is a website like the one in the accompanying figure that offers a variety of Internet services from a single, convenient location?

a. portal b. keyframe
c. extraction d. powerpoint

ANSWER: a
POINTS: 1
REFERENCES: 83
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

26. Which of the following is the development and maintenance of webpages?

a. web distribution b. web publishing
c. web convergence d. e-commerce

ANSWER: b
POINTS: 1
REFERENCES: 83
LEARNING OBJECTIVES: VERR.DICO.15.9 - 9

27. Which of the following occurs when one consumer sells directly to another consumer, such as in an online auction?

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a. consumer-to-consumer (C2C) e-commerce
b. business-to-consumer (B2C) e-commerce
c. consumer-to-business (C2B) e-commerce
d. business-to-business (B2B) e-commerce

ANSWER: a
POINTS: 1
REFERENCES: 82
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

28. Most e-commerce actually takes place between businesses. What is this 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

ANSWER: d
POINTS: 1
REFERENCES: 82
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

29. Which of the following terms refers to any application that combines text with graphics, animation, audio, video, and/or virtual reality?
a. portal b. web app
c. multimedia d. Java applet

ANSWER: c
POINTS: 1
REFERENCES: 85
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

30. Which of the following is a digital representation of nontext information such as a drawing, chart, or photo?
a. applet b. pic
c. keyframe d. graphic

ANSWER: d
POINTS: 1
REFERENCES: 84
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

31. Which of the following is a small version of a larger graphic on a webpage?
a. keyframe b. thumbnail
c. applet d. extraction

ANSWER: b
POINTS: 1
REFERENCES: 85
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

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32. Which of the following includes music, speech, or any other sound?
a. audio b. vodcasting
c. video d. digeo
ANSWER: a
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

33. Which of the following is special software that a user needs in order to listen to an audio file on a computer?
a. media reader b. broadcaster
c. media player d. audio browser
ANSWER: c
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

34. Which of the following is the use of computers to simulate a real or imagined environment that appears as three-dimensional (3-D) space?
a. IrDA b. POP
c. VR d. TCP
ANSWER: c
POINTS: 1
REFERENCES: 87
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

35. Which of the following consists of images displayed in motion?
a. audio b. vodcasting
c. video d. digeo
ANSWER: c
POINTS: 1
REFERENCES: 87
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

36. Which of the following is a program that extends the capability of a browser?
a. player b. plug-in
c. rebrowser d. publisher
ANSWER: b
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

37. What is the term for the transmission of messages and files via a computer network?
a. email b. DSL

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c. FTP d. C2C

ANSWER: a
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

38. What is the term for a combination of user name and domain name that identifies a user so he or she can receive Internet email?

a. email link b. email address
c. email reference d. user clause

ANSWER: b
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

39. Which of the following is a group of email names and addresses used for mass distribution of a message?

a. chat list b. actor list
c. email list d. client list

ANSWER: c
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

40. Which of the following 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 b. Chattalk
c. IM d. Communispace

ANSWER: d
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

41. Which of the following terms means that the people who are conversing on a computer are online at the same time?

a. automatic b. real-world
c. real time d. mainline

ANSWER: c
POINTS: 1
REFERENCES: 90
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

42. For which of the following to work must both parties be online at the same time, and the receiver of a message be willing to accept messages?

a. email b. FTP
c. instant messaging d. all of the above

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ANSWER: c
POINTS: 1
REFERENCES: 90
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11



43. As shown in the accompanying figure, which of the following is a real-time typed conversation that takes place on a computer?

a. chat b. VoIP
c. confab d. quick talk

ANSWER: a
POINTS: 1
REFERENCES: 91
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

44. Which of the following is true of VoIP?

a. It uses a slow speed dial-up connection.
b. It uses the public switched telephone network.
c. Skype is an example of VoIP software.
d. All of the above.

ANSWER: c
POINTS: 1
REFERENCES: 92
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

45. Which of the following is the process of transferring files from a computer to a server on the Internet?

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a. uploading b. streaming
c. downloading d. flowing

ANSWER: a
POINTS: 1
REFERENCES: 92
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

46. Which of the following defines FTP sites at which anyone can transfer some, if not all, available files?
a. identified b. anonymous
c. named d. signed

ANSWER: b
POINTS: 1
REFERENCES: 92
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

47. Which of the following is a computer that allows users to upload and/or download files using FTP?
a. FTP server b. FTP network
c. FTP client d. FTP base unit

ANSWER: a
POINTS: 1
REFERENCES: 92
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

48. Which of the following is the code of acceptable behaviors users should follow while on the Internet; that is, it is the conduct expected of individuals while online?
a. netiquette b. web politesse
c. Internet behavior d. web civility

ANSWER: a
POINTS: 1
REFERENCES: 94
LEARNING OBJECTIVES: VERR.DICO.15.12 - 12

49. What is the term for characters, such as :) or :(, used to express emotion in an email message or newsgroup article?
a. spam b. FAQs
c. emoticons d. flames

ANSWER: c
POINTS: 1
REFERENCES: 94
LEARNING OBJECTIVES: VERR.DICO.15.12 - 12

50. According to netiquette, Internet users should assume which of the following?
a. all material is accurate
b. all material is up-to-date

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c. the use of all capital letters is the equivalent of shouting

d. all of the above

ANSWER: c
POINTS: 1
REFERENCES: 94
LEARNING OBJECTIVES: VERR.DICO.15.12 - 12

COGNITIVE ASSESSMENT

51. Which of the following networks had these two goals: a) allowing scientists to work together on scientific projects; and, b) functioning even if part of the network was destroyed by a nuclear attack?

a. W3C b. IBMNet

c. ARPANET d. NSFnet

ANSWER: c
POINTS: 1
REFERENCES: 56
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

52. A host in a network performs which of the following tasks?

a. ensures satellite communications are functional

b. exclusively monitors wireless networks to search for data transmission errors

c. routes transmissions over a network to guarantee data reaches its intended destination

d. provides services and connections to other computers on the network

ANSWER: d
POINTS: 1
REFERENCES: 56
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

53. What is the goal of Internet2?

a. Replace Internet1.

b. It is the same as Internet; it has no particular goal.

c. Develop and test advanced Internet technologies.

d. Ensure telemedicine, digital libraries, high-definition video, and Internet fraud detection all can be available over the Internet.

ANSWER: c
POINTS: 1
REFERENCES: 58
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

54. An organization to which you belong is joining the W3C. What is the mission of the work you will undertake as a member?

a. To ensure the continued growth of the web

b. To promote Internet2 ventures

c. To devise technology for connecting to the Internet

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d. To expand mobile broadband access

ANSWER: a
POINTS: 1
REFERENCES: 58
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

55. What is the role of the W3C?

a. own and control the Internet

b. oversee research and set standards for many areas of the Internet

c. control the World Wide Web; monitor and govern the use of data and information communicated over the Internet

d. supervise and approve corporate and commercial use of the World Wide Web

ANSWER: b
POINTS: 1
REFERENCES: 58
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

56. Which of the following identifies broadband Internet connections?

a. FTP, OSP, IP b. DSL, Wi-Fi, fixed wireless

c. IP, Wi-Fi, FTTP d. OSP, cellular radio network, FTP

ANSWER: b
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

57. If your friend is enjoying a cup of coffee in a trendy coffee shop and at the same time is surfing the web, which of the following is she using?

a. FFT

b. a hot spot

c. SIS

d. Fixed Limited Online Access Transport (FLOAT)

ANSWER: b
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

58. You want to make it possible for your smartphone to share its Internet access wirelessly with your friend's device. Which of the following will you use?

a. baseband b. attaching

c. tethering d. VoIP

ANSWER: c
POINTS: 1
REFERENCES: 60

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LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

59. You are looking for the basic storage unit on a mobile device. Which of the following represents a single character?
    a. gigabyte b. megabyte
    c. byte d. bit

ANSWER: c
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

60. Your sister just started a company that provides individuals and organizations access to the Internet for a small fee. Which of the following describes her company?
    a. access provider
    b. regional broadband domain monitor
    c. wireless Internet technology disseminator
    d. broadband network gateway administrator

ANSWER: a
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.3 - 3

61. The major carriers of Internet network traffic are known collectively by what term?
    a. Internet transmission link b. Internet system grid
    c. Internet backbone d. Internet complex

ANSWER: c
POINTS: 1
REFERENCES: 62
LEARNING OBJECTIVES: VERR.DICO.15.3 - 3

62. To what does the term, traffic, refer to when used in conjunction with the Internet?
    a. the number of computers on the Internet
    b. the communications activity on the Internet
    c. all the wired, wireless, and satellite connections on the Internet
    d. the wires, fiber optics, underground cables, and radio signals used to carry the data and information across the Internet

ANSWER: b
POINTS: 1
REFERENCES: 62
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

63. What is the purpose of an Internet Protocol address (IP address)?
    a. It specifies whether a computer is using a broadband network or a direct-dial network.
    b. It differentiates between a server computer and a client computer and contains codes to identify whether the computer can send data or receive data.

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c. It contains the protocol schema used to identify whether the computer is on a wired or wireless network.
d. It uniquely identifies the location of each computer or device connected to the Internet.

ANSWER: d
POINTS: 1
REFERENCES: 62
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

64. In Internet terminology, what is the term, google.com, called?
a. domain name b. Internet service provider
c. webpage protocol d. TLD

ANSWER: a
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

65. Which of the following are valid TLDs?
a. com, net, bmk b. gov, org, net
c. mil, com, ipv d. www, edu, com

ANSWER: b
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

66. You are going to form a partnership with an organization that sells domain names. What kind of organization is your partner?
a. registrar b. domain vendor
c. cybersquatter d. ICANN vendor

ANSWER: a
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

67. You are using a website to check the ticket availability for your flight to Denmark. To what category does this website belong?
a. static websites b. dynamic websites
c. server websites d. tabbed websites

ANSWER: b
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

68. A DNS server is able to identify which of the following?
a. every computer or device connected to the Internet
b. an IP address based on a domain name

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c. the TLD for a given company
d. the browser being used by a mobile device

ANSWER: b
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

69. What is the World Wide Web?
a. a database of every document stored on computers worldwide
b. the wiring and cabling used to connect computers on the Internet
c. a worldwide collection of electronic documents
d. a set of electronic documents diagramming and charting all the worldwide Internet connections

ANSWER: c
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

70. If your cousin wanted to view information from the World Wide Web, what application software would you tell her to be sure she has on her computer?
a. browser
b. Word processor
c. DNS server support system
d. ISP interface resolution and handshake configuration controller

ANSWER: a
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

71. A website's home page is most analogous to which of the following?
a. highway billboard b. cover of a book
c. pop-up window d. credits of a movie

ANSWER: b
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

72. You have just done some online banking. Which of the following could contain your account number?
a. history b. glossary
c. cache d. index

ANSWER: c
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

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73. Which of the following allows users to have multiple home pages that automatically open when the browser starts?
a. linked browsing b. bookmarks and favorites
c. tabbed browsing d. hypertext
ANSWER: c
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

74. You are looking for a browser that will run on your computer, which uses the Linux operating system. Which of the following is an option for you?
a. Internet Explorer b. Chrome
c. Firefox d. Safari
ANSWER: c
POINTS: 1
REFERENCES: 67
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

75. You are thinking about no longer using the default browser for your Mac and instead switching to a new one. Which browser will you no longer be using if you do this?
a. Safari b. Internet Explorer
c. Firefox d. Opera
ANSWER: a
POINTS: 1
REFERENCES: 67
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

76. A Uniform Resource Locator is the same as which of the following?
a. client DNS b. push-pull mechanism
c. Web address d. Hypertext Transfer Protocol (HTTP)
ANSWER: c
POINTS: 1
REFERENCES: 67
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

77. Which of the following is a component of a Uniform Resource Locator?
a. domain name b. prolog name
c. HTTP identifier d. website protocol initiator
ANSWER: a
POINTS: 1
REFERENCES: 68
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

78. You have a new web app and the host for it is going to provide storage for your data on their server. What is this

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called?

a. mobile backup b. syndication
c. RSS d. cloud storage

ANSWER: d
POINTS: 1
REFERENCES: 69
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

79. You have a new application that is taking full advantage of the features of your smartphone, including the touch screen and an embedded GPS receiver. What kind of application is this?

a. desktop app b. web app
c. mobile app d. tablet app

ANSWER: c
POINTS: 1
REFERENCES: 69
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

80. What is the software that finds websites, webpages, images, and other information called?

a. search application b. subject directory
c. subject query d. search engine

ANSWER: d
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

81. When a search of the web is conducted based on a search query, which of the following items might be located?

a. publications, maps, audio
b. videos, images, files on your computer's hard disk
c. business phone numbers, size of RAM on your computer, news articles
d. blogs, HTTP, MSL

ANSWER: a
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

82. Which of the following search texts will display pizza or sandwich places in New Orleans?

a. pizza + sandwich (New Orleans) b. *New Orleans + pizza_sandwich
c. New Orleans (pizza or sandwich) d. "New Orleans + pizza_or_sandwich"

ANSWER: c
POINTS: 1
REFERENCES: 72
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

83. What is the difference between a wiki and a blog?

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a. Businesses create blogs but they do not create wikis.
b. Home users can use blogs but not wikis.
c. Blogs allow the sharing of ideas from all people while wikis allow sharing from only a single person.
d. Users can modify posts in a wiki but they cannot modify posts made by a blogger.

ANSWER: d
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

84. To what does the term, blogosphere, refer?
a. the software used to create blogs
b. individual blogs as opposed to corporate blogs
c. the worldwide collection of blogs
d. the body of web design knowledge required to establish a blog

ANSWER: c
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

85. When a radio station broadcasts a live sporting event over the Web, what technology are they using?
a. streaming b. podcasting
c. gaming d. strobbing

ANSWER: a
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

86. Which of the following best describes e-commerce?
a. a customer (consumer) experience requiring the Internet, cash, a shopping cart, and videos
b. a business transaction that occurs over an electronic network such as the Internet
c. the sale of electronic goods and services that enable an Internet connection
d. a transaction between two businesses that are bartering and auctioning goods and services via secure telephonic connections

ANSWER: b
POINTS: 1
REFERENCES: 82
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

87. When your friend is using a website that offers a variety of Internet services from a single convenient location, what type of website is she using?
a. informational b. content aggregator
c. portal d. wiki

ANSWER: c

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POINTS: 1
REFERENCES: 82
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

88. Which of the following are criteria for evaluating a website's content?
a. objectivity and currency b. affiliation and consumer consensus
c. commerciality and audience d. content aggregation and authority
ANSWER: a
POINTS: 1
REFERENCES: 85
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

89. What is multimedia?
a. multiple uses of nontext information such as drawings and videos
b. a description of webpages that require special software and web connections to display graphic waveforms
c. the combination of text, graphics, animation, audio, video, and/or virtual reality
d. GIF, JPEG, PNG, and TIFF
ANSWER: c
POINTS: 1
REFERENCES: 85
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

90. Which of the following identify the five steps in web publishing?

a.	plan the website; design the website; create the website; host the website; maintain the website
b.	load plug-ins; deploy the website; maintain the website; update the website; upgrade the web server
c.	plan, analyze, and design the website; plan and purchase servers and server software; create and deploy the website; test the website for both commercial and consumer use; modify the website based on analytics developed through the website use
d.	plan the website; design the website; create and deploy the website; update the website; create usage analytics for further website enhancements

a.
b.
c.
d.
ANSWER: a
POINTS: 1
REFERENCES: 84
LEARNING OBJECTIVES: VERR.DICO.15.9 - 9

91. Why do many webpages use graphical designs and images?
a. to speed up webpage downloads b. to convey messages
c. to save money when creating webpages d. to verify the authenticity of the webpage
ANSWER: b
POINTS: 1

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REFERENCES: 84
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

92. Which of the following is a small version of a larger graphic?
a. SmallGraph b. Compressed Bit Form (CBF)
c. thumbnail d. podgraph
ANSWER: c
POINTS: 1
REFERENCES: 85
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

93. Which of the following is NOT a graphics format used on the web?
a. GIF b. AVI
c. TIFF d. JPEG
ANSWER: b
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

94. Which of the following is NOT a media player?
a. iTunes b. RealPlayer
c. Safari d. Windows Media Player
ANSWER: c
POINTS: 1
REFERENCES: 87
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

95. If someone displays a webpage in a browser and the page indicates Flash Player is needed, what is Flash Player?
a. a plug-in
b. a media compensator
c. a streamer
d. a different browser than the one being used
ANSWER: a
POINTS: 1
REFERENCES: 87
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

96. If someone's boss wanted to send a message to an employee that contains both a video and a Word processing document, which Internet service would be the most appropriate for her to use?
a. instant messaging b. VoIP
c. chat d. email
ANSWER: d
POINTS: 1

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REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

97. What are two elements found in an email address?
a. user name and domain name b. address book and user name
c. @ symbol and dot com name d. domain name and POP3
ANSWER: a
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

98. When two people are conversing over the Internet in real time, what do you know about them?
a. They both are online.
b. They are sending email messages that are not required to move through email servers.
c. They are using FTP.
d. They are behaving according to netiquette.
ANSWER: a
POINTS: 1
REFERENCES: 90
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

99. IF YOU RECEIVE AN EMAIL MESSAGE IN ALL CAPITAL LETTERS, WHAT DOES THIS SIGNIFY?
a. THE EMAIL IS IMPORTANT.
b. THE EMAIL WAS SENT FROM A GOVERNMENT AGENCY.
c. THE PERSON WHO WROTE THE EMAIL WAS SHOUTING AT YOU.
d. THE CAPSLOCK KEY ON YOUR KEYBOARD IS MALFUNCTIONING.
ANSWER: c
POINTS: 1
REFERENCES: 94
LEARNING OBJECTIVES: VERR.DICO.15.12 - 12

100. What term is used to describe the harassment of computer users through various forms of Internet communications?
a. online harassment b. internet oppression
c. real-time terrorism d. cyberbullying
ANSWER: d
POINTS: 1
REFERENCES: 94
LEARNING OBJECTIVES: VERR.DICO.15.12 - 12

101. The goal of ARPA was to build a network that allowed scientists at different physical locations to share information and work together on military and scientific projects.
a. True
b. False

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ANSWER: True
POINTS: 1
REFERENCES: 56
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

102. No single person, company, institution, or government agency owns the Internet.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 58
LEARNING OBJECTIVES: VERR.DICO.15.1 - 1

103. Many public locations, such as airports, hotels, schools, shopping malls, and coffee shops, are hotspots that provide Wi-Fi Internet connections to users with mobile computers or devices.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

104. Public Wi-Fi Hot Spots exist in cities in the U.S. but not elsewhere.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

105. Fixed wireless is a broadband Internet connection.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 60
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

106. Some home users connect computers to the Internet via slower-speed dial-up access because of its lower cost or because broadband access is not available where they live.
a. True
b. False
ANSWER: True
POINTS: 1

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REFERENCES: 60
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

107. A megabyte is equal to approximately one billion characters.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

108. A lower bandwidth means more data transmits.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

109. For watching HD streaming video for an hour, the approximate data usage is 3-6 MB.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

110. Hot spots are businesses that provide individuals and companies access to the Internet free or for a fee, usually a fixed monthly amount.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2

111. Like an IP address, the components of a domain name are separated by commas.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

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112. Every domain name contains a master domain, which identifies the type of organization associated with the domain.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

113. A TCP server is an Internet server that usually is associated with an Internet access provider.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

114. When you enter a domain name, the DNS server translates the domain name to its associated IP address of that data and information can be routed to the correct computer.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 63
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

115. Most current web browsers support tabbed browsing, where the top of the browser displays a tab for each webpage you open.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

116. Several browsers are available at shareware websites.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

117. A phishing filter will prevent your browsing history, passwords, user names, and other personal information from being revealed.

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a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

118. Many browsers and websites do not require the http:// and www portions of a web address.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

119. RSS and Atom are popular specifications used to distribute content, such as web feeds, to subscribers.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

120. A mobile processor is a type of software for computers and mobile devices that reads a user's specified web feeds and collects their most recent content.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 69
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

121. One technique to improve Web searches is to use general nouns and put the less specific terms first in the search text.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 72
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

122. The search engine operator AND is used to display hits that include only one word from a list.
a. True
b. False

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ANSWER: False
POINTS: 1
REFERENCES: 72
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

123. A disadvantage with a subject directory is that users sometimes have difficulty deciding which categories to choose as they work through the menus of links presented.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 72
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

124. In a search engine, parentheses are used to combine hits that include specific words with those that only include one word from a list.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 72
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

125. The asterisk search engine operator allows the substitution of characters in place of the asterisk.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 72
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

126. All social networking sites require friends to confirm a friendship.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 73
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

127. Examples of informational websites include libraries, encyclopedias, dictionaries, directories, guides, and other types of reference.
a. True
b. False
ANSWER: True

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POINTS: 1
REFERENCES: 74
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

128. A bookmarking site is a website that enables members to manage and share media such as photos, videos, and music.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 74
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

129. Once you post media, you might be giving up certain rights to the media.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 74
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

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Chapter 02: Connecting and Communicating Online



130. Similar to an editorial section in a newspaper, websites like the kind shown in the accompanying figure reflect the interests, opinions, and personalities of the author.

a. True

b. False

ANSWER: True
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

131. The difference between a wiki and a site like the one in the accompanying figure is that users cannot modify original posts on an wiki.

a. True

b. False

ANSWER: False
POINTS: 1

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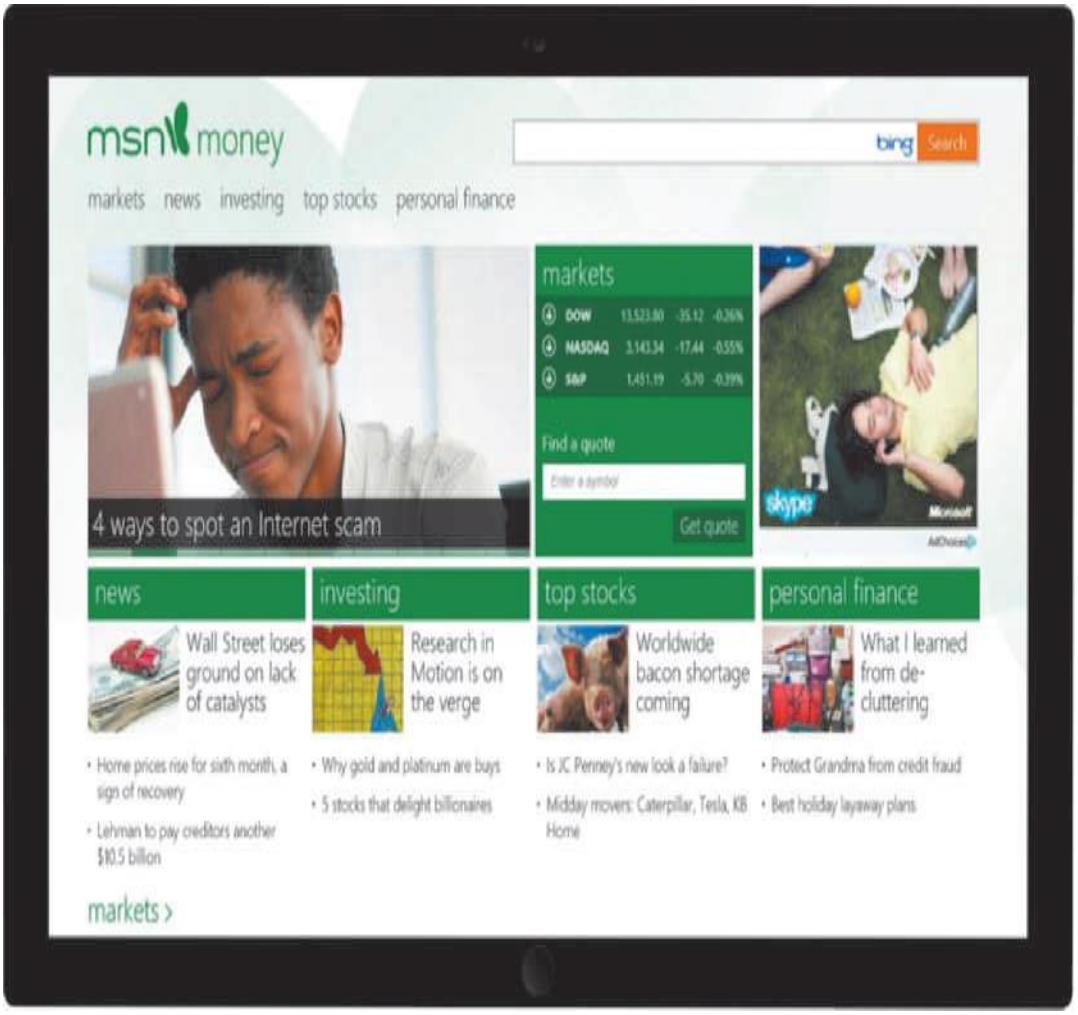
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

132. An entertainment website contains content that describes a cause, opinion, or idea.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

133. To thwart attempts to steal your personal data, install a personal threat reporter, which is software that protects network resources from outside intrusions.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 74
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

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134. Most websites of the kind shown in the accompanying figure require payment for services.

a. True

b. False

ANSWER: False
POINTS: 1
REFERENCES: 83
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

135. An Internet connection is not necessary for participating in e-commerce.

a. True

b. False

ANSWER: False
POINTS: 1
REFERENCES: 83
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

136. In the evaluation of a website, the evaluation criterion of authority states that a reputable institution should support the website without bias in the information.

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a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 83
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

137. Some people use the term m-commerce (mobile commerce) to identify e-commerce that takes place using mobile devices.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: 82
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

138. The more compressed the graphics file, the smaller the image and the higher the quality.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 83
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

139. Smaller file sizes result in faster downloading of webpages because small files transmit more quickly than large files.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: 84
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

140. The goal with TIFF graphics is to reach a balance between image quality and file size.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

141. The JPEG format works best for images that have only a few colors.
a. True
b. False

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ANSWER: False
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

142. JPEG is a format that expands graphics to increase their file size, which means the file takes up less storage space.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

143. All mobile browsers support the use of plug-ins.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.9 - 9

144. Some audio files require you to download a media player.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: 87
LEARNING OBJECTIVES: VERR.DICO.15.9 - 9

145. When using email, it is not important to use proper grammar, spelling, and punctuation.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 88
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

146. To add an email name and address to a mailing list, a user unsubscribes from it.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: 88

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Chapter 02: Connecting and Communicating Online

LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

147. The receiver of a message need not be willing to accept messages in order for IM to work.

a. True

b. False

ANSWER: False
POINTS: 1
REFERENCES: 90
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10



148. Using the technology shown in the accompanying figure, others connected to the same server see what a user has typed.

a. True

b. False

ANSWER: True
POINTS: 1
REFERENCES: 91
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

149. Webpage developers often use FTP to upload their webpages to a web server.

a. True

b. False

ANSWER: True
POINTS: 1
REFERENCES: 92

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LEARNING OBJECTIVES: VERR.DICO.15.11 - 10

150. VoIP is an Internet standard that permits file uploading and downloading with other computers on the Internet.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: 92
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11

151. The major carriers of network traffic on the Internet are known collectively as the _____.
ANSWER: Internet backbone
POINTS: 1
REFERENCES: 62
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

152. A(n) _____ address is a number that uniquely identifies the location of each computer or device connected to the Internet.
ANSWER: IP
Internet Protocol
IP (Internet Protocol)
Internet Protocol (IP)
POINTS: 1
REFERENCES: 61
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

153. A(n) _____ name is the text-based name that corresponds to the IP address of a server that hosts a website.
ANSWER: domain
POINTS: 1
REFERENCES: 64
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

154. The group that approves top-level domains is the _____.
ANSWER: Internet Corporation for Assigned Names and Numbers
ICANN
ICANN (Internet Corporation for Assigned Names and Numbers)
Internet Corporation for Assigned Names and Numbers (ICANN)
POINTS: 1
REFERENCES: 64
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

155. When you enter a domain name, a(n) _____ translates the domain name to its associated IP address so data can be routed to the correct computer.
ANSWER: DNS server

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POINTS: 1
REFERENCES: 64
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

156. _____ buy and register unused or lapsed domain names so that they can profit from selling them.
ANSWER: Cybersquatters
POINTS: 1
REFERENCES: 64
LEARNING OBJECTIVES: VERR.DICO.15.3 - 3

157. A(n) _____ is a filtering program that stops pop-up ads from displaying on webpages.
ANSWER: pop-up
POINTS: 1
REFERENCES: 66
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

158. Favorites, also called _____, are links to preferred websites.
ANSWER: bookmarks
POINTS: 1
REFERENCES: 67
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

159. Of Firefox, PowerPoint, Safari, and Internet Explorer, all are widely used web browsers for personal computers *EXCEPT* _____.
ANSWER: PowerPoint
POINTS: 1
REFERENCES: 67
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

160. In a web address, the _____ is a set of rules that defines how pages transfer on the Internet.
ANSWER: http
Hypertext Transfer Protocol
Hypertext Transfer Protocol (http)
http (Hypertext Transfer Protocol)
POINTS: 1
REFERENCES: 69
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

161. A(n) _____ is a type of software for computers and mobile devices that reads a user's specified web feeds and collects their most recent content.
ANSWER: aggregator
feed reader
POINTS: 1
REFERENCES: 69
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

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162. When you enter a web address in a browser, you request, or _____, information from a web server.
ANSWER: pull
POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

163. _____ is a navigation system that consists of one or more earth-based receivers that accept and analyze signals sent by satellites in order to determine the receiver's geographic location.
ANSWER: GPS
Global positioning system
GPS (Global positioning system)
Global positioning system (GPS)
POINTS: 1
REFERENCES: 69
LEARNING OBJECTIVES: VERR.DICO.15.4 - 4

164. Bing, Google, and Yahoo! are all examples of web _____.
ANSWER: search engines
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5

165. A web _____ is software that finds websites, webpages, images, videos, news, maps, and other information related to a specific topic.
ANSWER: search engine
POINTS: 1
REFERENCES: 71
LEARNING OBJECTIVES: VERR.DICO.15.6 - 6

166. A(n) _____ website offers exciting, challenging avenues for formal and informal teaching and learning.
ANSWER: educational
POINTS: 1
REFERENCES: 77
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

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167. The term _____ refers to the worldwide collection of websites like the one in the accompanying figure.

ANSWER: blogosphere
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

168. Like the one in the accompanying figure, a(n) _____ website uses a diary or journal format, and is an informal site consisting of time-stamped articles.

ANSWER: blog
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

169. A(n) _____ is a collaborative website that allows users to add to, modify, or delete the website

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content via their browser.
ANSWER: wiki
POINTS: 1
REFERENCES: 78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7

170. Of the graphics formats that exist on the web, the two more common are _____ and JPEG formats.
ANSWER: PNG
Portable Network Graphics
PNG (Portable Network Graphics)
Portable Network Graphics (PNG)
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.8 - 8

171. Discuss what a broadband connection is, how it differs from a dial-up connection, and review the types of broadband connections.
ANSWER: Student responses will vary, but should be drawn from the following information from the text.

Today, users often connect to the Internet via broadband Internet service because of its fast data transfer speeds and its always-on connection. Through broadband Internet service, users can download webpages quickly, play online games, communicate in real time with others, and more.

Examples of popular wired and wireless broadband Internet service technologies for home and small business users include:

• Cable Internet service provides high-speed Internet access through the cable television network via a cable modem
• DSL (digital subscriber line) provides high-speed Internet connections through the telephone network via a DSL modem
• Fiber to the Premises (FTTP) uses fiber-optic cable to provide high-speed Internet access via a modem
• Wi-Fi (wireless fidelity) uses radio signals to provide high-speed Internet connections to computers and devices with built-in Wi-Fi capability or a communications device that enables Wi-Fi connectivity
• Mobile broadband offers high-speed Internet connections over the cellular radio network to computers and devices with built-in compatible technology (such as 3G, 4G, or 5G) or a wireless modem or other communications device
• Fixed wireless provides high-speed Internet connections using a dish-shaped antenna on a building, such as a house or business, to communicate with a tower location via radio signals
• Satellite Internet service provides high-speed Internet connections via satellite to a satellite dish that communicates with a satellite modem

Some home users connect computers to the Internet via slower-speed dial-up access because of its lower cost or because broadband access is not available where they live. Dial-up access takes place when a modem in a computer connects to the Internet via a standard telephone line that transmits data and information using an analog (continuous wave pattern) signal.

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Chapter 02: Connecting and Communicating Online

POINTS: 1
REFERENCES: 59
LEARNING OBJECTIVES: VERR.DICO.15.2 - 2
TOPICS: Critical Thinking

172. Explain in detail what the web is, and include the terms website, web server, and webpage in your explanation.
ANSWER: Student responses will vary, but should be drawn from the following information from the text.

While the Internet was developed in the late 1960s, the World Wide Web emerged in the early 1990s. Since then, it has grown phenomenally to become one of the more widely used services on the Internet.

The World Wide Web (WWW), or web, consists of a worldwide collection of electronic documents. Each electronic document on the web is called a webpage, which can contain text, graphics, animation, audio, and video. Some webpages are static (fixed); others are dynamic (changing). Visitors to a static webpage all see the same content. With a dynamic webpage, by contrast, visitors can customize some or all of the viewed content, such as desired stock quotes, weather for a region, or ticket availability for flights. The time required to download a webpage varies depending on the speed of your Internet connection and the amount of graphics and other media involved.

A website is a collection of related webpages and associated items, such as documents and pictures, stored on a web server. A web server is a computer that delivers requested webpages to your computer or mobile device. The same web server can store multiple websites.

As web technologies matured in the mid-2000s, industry experts introduced the term Web 2.0 to refer to websites that provide a means for users to share personal information (such as online social networks), allow users to modify website content (such as wikis), and provide applications through a browser (such as web apps).

POINTS: 1
REFERENCES: 65
LEARNING OBJECTIVES: VERR.DICO.15.5 - 5
TOPICS: Critical Thinking

173. Outline the guidelines for evaluating a website.
ANSWER: Student responses will vary, but should be drawn from the following information from the text.

The guidelines for assessing the value of a website or webpage before relying on its content are:

• Affiliation: A reputable institution should support the website without bias in the information.
• Audience: The website should be written at an appropriate level.
• Authority: The website should list the author and the appropriate credentials.
• Content: The website should be well organized and the links should work.
• Currency: The information on the webpage should be current.

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• Design: The pages at the website should download quickly, be visually pleasing, and easy to navigate.
• Objectivity: The website should contain little advertising and be free of preconceptions.

POINTS: 1
REFERENCES: 85
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7
TOPICS: Critical Thinking

174. What are the five major steps for web publishing?

ANSWER: Student responses will vary, but should be drawn from the following information from the text.

The five major steps in web publishing are as follows:

1. Plan the website. Identify the purpose of the website and the characteristics of the people you want to visit the website. Determine ways to differentiate your website from other similar ones. Decide how visitors will navigate the website.

2. Design the website. Design the appearance and layout of elements on the website. Decide colors and formats. Determine content for links, text, graphics, animation, audio, video, virtual reality, and blogs. To complete this step, you may need specific hardware such as a digital camera, webcam, video camera, scanner, and/or audio recorder. You also may need software that enables you to create images or edit photos, audio, and video.

3. Create the website. To create a website, you have several options:
a. Use the features of a word processing program that enable you to create basic webpages from documents containing text and graphics.
b. Use a content management system, which is a program that assists you with creating, editing, and hosting content on a website.
c. Use website authoring software to create more sophisticated websites that include text, graphics, animation, audio, video, special effects, and links.
d. More advanced users create sophisticated websites by using a special type of software, called a text editor, to enter codes that instruct the browser how to display the text, images, and links on a webpage.
e. For advanced features such as managing users, passwords, chat rooms, and email, you may need to purchase specialized website management software.

4. Host the website. Options for transferring the webpages from your computer to a web server include the following:
a. Many ISPs offer their customers storage space on a web server.
b. Content management systems usually include hosting services for free or a fee.
c. A web hosting service provides storage space on a web server for a reasonable monthly fee.
To help others locate your webpage, register your web address with various search engines to ensure your website appears in the search results.

5. Maintain the website. Visit the website regularly to ensure its contents are current and all links work properly.

POINTS: 1
REFERENCES: 84

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Chapter 02: Connecting and Communicating Online

LEARNING OBJECTIVES: VERR.DICO.15.8 - 8
TOPICS: Critical Thinking



175. Explain what an IM is, and what the technology shown in the accompanying figure is.
ANSWER: Student responses will vary, but should be drawn from the following information from the text.

Instant messaging (IM) is a real-time Internet communications service that notifies you when one or more of your established contacts are online and then allows you to exchange messages or files or join a private chat room with them. Real time means that you and the people with whom you are conversing are online at the same time. Some IM services support voice and video conversations, allow you to send photos or other documents to a recipient, listen to streaming music, and play games with another online contact. Many can alert you to information such as calendar appointments, stock quotes, weather, or sports scores.

For IM to work, both parties must be online at the same time. Also, the receiver of a message must be willing to accept messages. To use IM, you may have to install instant messenger software on the computer or mobile device, such as a smartphone, you plan to use.

Many online social networks include an IM feature. To ensure successful communications, all individuals on the friend list need to use the same or a compatible instant messenger.

A chat is a real-time typed conversation that takes place on a computer or mobile device with many other online users. A chat room is a website or application that permits users to chat with others who are online at the same time. A server echoes the user's message to everyone in the chat room. Anyone in the chat room can participate in the conversation, which usually is specific to a particular topic. Businesses sometimes use chat rooms to communicate with customers.

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As you type on your keyboard, others connected to the same chat room server also see what you have typed. Some chat rooms support voice chats and video chats, in which people hear or see each other as they chat. Most browsers today include the capability to connect to a chat server.

POINTS: 1
REFERENCES: 90
LEARNING OBJECTIVES: VERR.DICO.15.10 - 11
TOPICS: Critical Thinking

Critical Thinking Questions
Case 2-1

You are taking an economics class, as part of which you are studying the various types of e-commerce.

176. As part of your research, you have learned that vending machines in Japan allow shoppers to hold their cell phones in front of the machine in order to make a purchase using the smartphone. Which of the following types of commerce does this exemplify?

a. C2C	c. m-commerce
b. B2B	d. C2B

ANSWER: C
POINTS: 1
REFERENCES: 82
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10
TOPICS: Critical Thinking

177. A major search engine is preparing to provide web-based purchasing, tracking, and transaction downloading capabilities to corporations. This is an example of what kind of commerce?

a. B2B	c. m-commerce
b. B2C	d. C2C

ANSWER: A
POINTS: 1
REFERENCES: 77
LEARNING OBJECTIVES: VERR.DICO.15.11 - 10
TOPICS: Critical Thinking

178. Define at least seven of the different types of websites, giving examples wherever possible and defining all relevant terms.

ANSWER: Student responses will vary, but should be drawn from the following information from the text.

The web contains several types of websites: search engines; online social networks; informational; media sharing and bookmarking; news, weather, sports, and other mass media; educational; business, governmental, and organizational; blogs; wikis; health and science; entertainment; financial; travel and mapping; shopping and auctions; careers and employment; e-commerce; and portals. Many websites fall into more than one of these types. All of these websites can be accessed from computers or mobile devices but often are

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formatted differently and may have fewer features on mobile devices.

A web search engine is software that finds websites, webpages, images, videos, news, maps, and other information related to a specific topic. Thousands of search engines are available. Some search engines, such as Bing, Google, and Yahoo!, are helpful in locating information on the web for which you do not know an exact web address or are not seeking a specific website. Those that work with GPS devices or services are location based, meaning they display results related to the device's current geographical position. For example, your smartphone may be able to display all gas stations within a certain distance of your current location. Some search engines restrict searches to a specific type of information, such as jobs or recipes. Search engines typically allow you to search for one or more of the following items:

• Images: photos, diagrams, and drawings
• Videos: home videos, music videos, television programs, and movie clips
• Maps: maps of a business or address, or driving directions to a destination
• Audio: music, songs, recordings, and sounds
• Publications: news articles, journals, and books
• People or Businesses: addresses and telephone numbers
• Blogs: specific opinions and ideas of others

Search engines require that you enter a word or phrase, called search text, to describe the item you want to find. Search text can be broad, such as spring break destinations, or more specific, such as Walt Disney World. If you misspell search text, search engines may correct the misspelling or identify alternative search text. Some also provide suggested search text, links, and/or images as you type your search text.

Depending on your search text, search engines may respond with thousands to billions of search results, sometimes called hits. The content of the search results varies depending on the type of information you are seeking and your search text. Some search results contain links to webpages or articles; others are media, such as images or videos. Most search engines sequence the search results based on how close the words in the search text are to one another in the titles and descriptions of the results. Thus, the first few links probably contain more relevant information.

If you enter a phrase with spaces between the words in search text, most search engines display results that include all of the keywords. Because keywords describe content, search results exclude articles, conjunctions, and other similar words (e.g., to, the, and). You can use operators in search text to refine searches. Instead of working with operators to refine search text, many search engines provide an advanced search feature or search tools that assist with limiting search results based on items such as date, TLD, language, etc.

A subject directory classifies webpages in an organized set of categories, such as sports or shopping, and related subcategories. A subject directory provides categorized lists of links arranged by subject. Using a subject directory, you locate a particular topic by tapping or clicking links through different levels, moving from the general to the specific. A disadvantage with a subject directory is that users sometimes have difficulty deciding which categories to choose as they work through the menus of links presented.

An online social network, or social networking site, is a website that encourages members in its online community to share their interests, ideas, stories, photos, music, and videos with

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other registered users. Some social networking sites also enable users to communicate through text, voice, and video chat, and play games together online. You interact with a social networking site through a browser or mobile app on your computer or mobile device.

An informational website contains factual information. Examples include libraries, encyclopedias, dictionaries, directories, guides, and other types of reference. You can find guides on numerous topics such as health and medicine, research paper documentation styles, and grammar rules. Many of the other types of websites identified in this section also are used to look up information.

A media sharing site is a website that enables members to manage and share media such as photos, videos, and music. These websites are sometimes called photo sharing sites, video sharing sites, and music sharing sites, respectively. Media sharing sites, which may be free or charge a fee, provide a quick and efficient way to upload, organize, store, share, and download media.

A bookmarking site is a website that enables members to organize, tag, and share links to media and other online content. A tag is a short descriptive label that you assign to webpages, photos, videos, blog posts, email messages, and other digital content so that it is easier to locate at a later time. Many websites and web apps support tagging, which enables users to organize their online content.

News, weather, sports, and other mass media websites contain newsworthy material, including stories and articles relating to current events, life, money, politics, weather, and sports. You often can customize these websites so that you can receive local news or news about specific topics. Some provide a means to send you alerts, such as weather updates or sporting event scores, via text or email messages.

Newsprint on the web is not replacing the newspaper but enhancing it and reaching different populations. Although some exist solely online, many magazines and newspapers sponsor websites that provide summaries of printed articles, as well as articles not included in the printed versions. Newspapers, magazines, and television and radio stations often have corresponding news, weather, or sports websites and mobile apps.

An educational website offers exciting, challenging avenues for formal and informal teaching and learning. The web contains thousands of tutorials from learning how to fly airplanes to learning how to cook a meal. For a more structured learning experience, companies provide online training to employees, and colleges offer online classes and degrees. Instructors often use the web to enhance classroom teaching by publishing course materials, grades, and other pertinent class information.

A business website contains content that increases brand awareness, provides company background or other information, and/or promotes or sells products or services. Nearly every enterprise has a business website. Examples include Allstate Insurance Company, Dell Inc., General Motors Corporation, Kraft Foods Inc., and Walt Disney Company. Most United States government agencies have websites providing citizens with information, such as census data, or assistance, such as filing taxes. Many other types of organizations use the web for a variety of reasons. For example, nonprofit organizations raise funds for a cause and advocacy groups present their views or opinions.

A blog (short for weblog) is an informal website consisting of time-stamped articles, or posts,

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in a diary or journal format, usually listed in reverse chronological order. The term blogosphere refers to the worldwide collection of blogs. A blog that contains video sometimes is called a video blog, or vlog. A microblog allows users to publish short messages usually between 100 and 200 characters, for others to read. The collection of a user's Tweets, or posts on Twitter, for example, forms a microblog.

Similar to an editorial section in a newspaper, blogs reflect the interests, opinions, and personalities of the author, called the blogger, and sometimes website visitors. Blogs have become an important means of worldwide communications. Businesses create blogs to communicate with employees, customers, and vendors. They may post announcements of new information on a corporate blog. Teachers create blogs to collaborate with other teachers and students. Home users create blogs to share aspects of their personal lives with family, friends, and others.

Whereas blogs are a tool for publishing and sharing messages, wikis enable users to organize, edit, and share information. A wiki is a collaborative website that allows users to create, add, modify, or delete the website content via a browser. Wikis can include articles, documents, photos, or videos. Some wikis are public, accessible to everyone. Others are private so that content is accessible only to certain individuals or groups. Many companies, for example, set up wikis for employees to collaborate on projects or access information, procedures, and documents.

Contributors to a wiki typically register before they can edit content or add comments. Wikis usually collect edits on a webpage so that someone can review them for accuracy. Unregistered users typically can review the content but cannot edit it or add comments.

Many websites provide up-to-date medical, fitness, nutrition, or exercise information for public access. Some offer the capability of listening to health-related seminars and discussions. Consumers, however, should verify the online information they read with a personal physician. Health service organizations store your personal health history, including prescriptions, lab test results, doctor visits, allergies, and immunizations. Doctors use the web to assist with researching and diagnosing health conditions. Several websites contain information about space exploration, astronomy, physics, earth sciences, microgravity, robotics, and other branches of science. Scientists use online social networks to collaborate on the web. Nonprofit science organizations use the web to seek public donations to support research.

Entertainment is a growing part of the web's future. An entertainment website offers music, videos, shows, performances, events, sports, games, and more in an interactive and engaging environment. Many entertainment websites support streaming media. Streaming is the process of transferring data in a continuous and even flow, which allows users to access and use a file while it is transmitting. You can listen to streaming audio or watch streaming video, such as a live performance or broadcast, as it downloads to your computer, mobile device, or an Internet-connected television. Sophisticated entertainment websites often partner with other technologies. For example, you can cast your vote about a topic on a television show via your phone or online social network account.

Online banking and online trading enable users to access their financial records from anywhere in the world, as long as they have an Internet connection. Using online banking, users can access accounts, pay bills, transfer funds, calculate mortgage payments, and manage other financial activities from their computer or mobile device. With online trading,

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users can invest in stocks, options, bonds, treasuries, certificates of deposit, money market accounts, annuities, mutual funds, and so on, without using a broker.

Travel websites, sometimes called online travel agencies, enable users to reserve a flight, hotel, or vehicle. On these websites, you can read travel reviews, search for and compare flights and prices, order airline tickets, book a room, or reserve a rental car. Several mapping web apps, sometimes called web maps, exist that enable you to display up-to-date maps by searching for an address, postal code, telephone number, or point of interest (such as an airport, lodging, or historical site). The maps can be displayed in a variety of views, including terrain, aerial, maps, streets, buildings, traffic, and weather. These websites also provide directions when a user enters a starting and destination point. Many work with GPS to determine where a user is located, eliminating the need for a user to enter the starting point and enabling the website to recommend nearby points of interest.

You can purchase just about any product or service on the web, a process that sometimes is called e-retail (short for electronic retail). To purchase online, the customer visits the business's electronic storefront, which contains product descriptions, images, and a shopping cart. The shopping cart allows the customer to collect purchases. When ready to complete the sale, the customer enters personal data and the method of payment, which should be through a secure Internet connection.

With an online auction, users bid on an item being sold by someone else. The highest bidder at the end of the bidding period purchases the item. eBay is one of the more popular online auction websites.

You can search the web for career information and job openings. Job search websites list thousands of openings in hundreds of fields, companies, and locations. This information may include required training and education, salary data, working conditions, job descriptions, and more. In addition, many organizations advertise careers on their websites.

When a company contacts you for an interview, learn as much about the company and the industry as possible before the interview. Many have websites with detailed company profiles.

E-commerce, short for electronic commerce, is a business transaction that occurs over an electronic network such as the Internet. Anyone with access to a computer or mobile device, an Internet connection, and a means to pay for purchased goods or services can participate in e-commerce. Some people use the term m-commerce (mobile commerce) to identify e-commerce that takes place using mobile devices. Popular uses of e-commerce by consumers include shopping and auctions, finance, travel, entertainment, and health.

Three types of e-commerce are business-to-consumer, consumer-to-consumer, and business-to-business.

• Business-to-consumer (B2C) e-commerce consists of the sale of goods and services to the general public, such as at a shopping website.
• Consumer-to-consumer (C2C) e-commerce occurs when one consumer sells directly to another, such as in an online auction.
• Business-to-business (B2B) e-commerce occurs when businesses provide goods and services to other businesses, such as online advertising, recruiting, credit, sales, market research, technical support, and training.

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A portal is a website that offers a variety of Internet services from a single, convenient location. A wireless portal is a portal designed for Internet-capable mobile devices. Most portals offer these free services: search engine; news, sports, and weather; web publishing; reference tools such as yellow pages, stock quotes, and maps; shopping; and email and other communications services.

POINTS: 1
REFERENCES: 67-78
LEARNING OBJECTIVES: VERR.DICO.15.7 - 7
TOPICS: Critical Thinking

Critical Thinking Questions
Case 2-2

You have just started an internship on a graphic design team and you are learning about graphic formats used on the web.

179. Which of the following is true?

a. The BMP format is an electronic image format by Adobe Systems that mirrors the appearance of an original document.	c. The TIFF format is good for desktop backgrounds.
b. The GIF format is good for photos used in the printing industry.	d. The PNG format is good for comic-style drawings and line art.

ANSWER: D
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.3 - 3
TOPICS: Critical Thinking

180. You have decided you are going to use a digital camera to capture some images to use in your graphic design work. Which of the following is the likeliest format for those images from the camera?

a. GIF	c. PNG
b. JPEG	d. BMP

ANSWER: B
POINTS: 1
REFERENCES: 86
LEARNING OBJECTIVES: VERR.DICO.15.3 - 3
TOPICS: Critical Thinking

Identify the letter of the choice that best matches the phrase or definition.

a. Internet2
b. server
c. Wi-Fi
d. FTTP
e. DSL
f. IP address

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g. tethering
h. fixed wireless
i. W3C
j. access provider
k. thread
l. VoIP
m. megabyte
n. email list
o. gigabyte
p. subscribe
q. domain name
r. FTP
s. animation
t. search engines

REFERENCES:
87
58
88
86
89
85
81
67
54
57
56
57-58
59

LEARNING OBJECTIVES:
VERR.DICO.15.10 - 11
VERR.DICO.15.2 - 2
VERR.DICO.15.3 - 3
VERR.DICO.15.4 - 4
VERR.DICO.15.5 - 5
VERR.DICO.15.6 - 6
VERR.DICO.15.8 - 8

181. Consists of the original article and all subsequent related replies
ANSWER: k
POINTS: 1

182. One million characters
ANSWER: m
POINTS: 1

183. Uses the Internet instead of the public switched telephone network to connect a calling party to one or more called parties
ANSWER: l

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POINTS: 1

184. One billion characters
ANSWER: o
POINTS: 1

185. When a message is sent to one of these, every person on the list receives a copy of the message in his or her mailbox
ANSWER: n
POINTS: 1

186. To add your email name and address to a mailing list, do this
ANSWER: p
POINTS: 1

187. Many operating systems include these capabilities
ANSWER: r
POINTS: 1

188. Your Internet service provider supplies this, for an email address
ANSWER: q
POINTS: 1

189. The appearance of motion created by displaying a series of still images in sequence
ANSWER: s
POINTS: 1

190. Particularly helpful in locating webpages about certain topics or in locating specific pages for which a user does not know the exact web address
ANSWER: t
POINTS: 1

191. Its goal is to develop and test advanced technologies that will benefit Internet users in the future
ANSWER: a
POINTS: 1

192. Kind of network that uses radio signals to provide high-speed Internet connections to compatible devices
ANSWER: c
POINTS: 1

193. Type of broadband Internet service that uses fiber-optic cable to provide high-speed Internet access to home and business users
ANSWER: d
POINTS: 1

194. Type of broadband connection that provides high-speed Internet connections through a telephone network via a DSL modem

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ANSWER: e
POINTS: 1

195. Oversees research and sets standards and guidelines for many areas of the Internet
ANSWER: i
POINTS: 1

196. A business that provides individuals and organizations access to the Internet free or for a fee
ANSWER: j
POINTS: 1

197. Any computer that provides services and connections to other computers on a network
ANSWER: b
POINTS: 1

198. Provides high-speed Internet connections using a dish-shaped antenna on a building to communicate with a lower location via radio signals
ANSWER: h
POINTS: 1

199. Transforms a smartphone or Internet-capable tablet into a portable communications device that shares its Internet access with other computers and devices wirelessly
ANSWER: g
POINTS: 1

200. A number that uniquely identifies each computer or device connected to the Internet
ANSWER: f
POINTS: 1

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