1. According to the U.S. Census Bureau, approximately what percentage of American homes are connected to the Internet?
   
   A. 20%
   B. 40%
   C. 70%
   D. 90%

   **Reference:** Internet Basics  
   **Difficulty:** Moderate

2. The original purpose for creating the Internet was:
   
   A. military communications.
   B. personal and family communications.
   C. online shopping.
   D. education.

   **Reference:** A Brief History of the Internet  
   **Difficulty:** Moderate

3. The project originating the computer network that eventually evolved into the modern-day Internet was called:
   
   A. NSFNet.
   B. CERNNet.
   C. ARPANET.
   D. Intranet.

   **Reference:** A Brief History of the Internet  
   **Difficulty:** Hard

The Internet started very small and simple with having a network of only __________ computers.

   E. two
   F. three
   G. four
   H. ten

   **Reference:** A Brief History of the Internet  
   **Difficulty:** Hard
4. The World Wide Web (WWW) is:
   A. a synonym for “the Internet.”
   B. the software that is used to send data over the Internet.
   C. the part of the Internet that facilitates transfer of files.
   D. the part of the Internet that uses hyperlinks.

Reference: The Web vs. the Internet Difficulty: Moderate

5. A web browser runs on a(n) ___________ computer.
   A. modem
   B. server
   C. IP
   D. client

Reference: How Data Travels Through the Internet Difficulty: Moderate

6. The main artery of the Internet, consisting of its largest and fastest pathway, is called the:
   A. Internet protocol.
   B. TCP.
   C. backbone.
   D. main network.

Reference: How Data Travels Through the Internet Difficulty: Moderate

7. A set of four numbers separated by dots that identifies a computer on the Internet is called a(n):
   A. IP address.
   B. URL.
   C. domain name.
   D. web site.

Reference: How Data Travels Through the Internet Difficulty: Moderate
8. The following are all broadband connections EXCEPT:

   A. DSL.
   B. ISDN.
   C. cable.
   D. dial-up.

Reference: Connecting to the Internet                     Difficulty: Easy

9. The computer that receives requests and sends back responses is called a:

   A. browser.
   B. server.
   C. backbone.
   D. client.

Reference: How Data Travels Through the Internet        Difficulty: Easy

10. The process of converting an analog telephone signal into a digital computer signal is called:

    A. signal conversion.
    B. modulation.
    C. demodulation.
    D. signal transfer.

Reference: Dial-Up Connections                      Difficulty: Hard

11. The process of converting a digital computer signal into an analog telephone signal is called:

    A. signal conversion.
    B. modulation.
    C. demodulation.
    D. signal transfer.

Reference: Dial-Up Connections                      Difficulty: Hard
12. The device that allows computers to send data along telephone lines is called a(n):
   A. modem.
   B. processor.
   C. telephone.
   D. Ethernet card.

   Reference: Dial-Up Connections
   Difficulty: Easy

13. The term **56k**, when applied to modems, refers to:
   A. memory capacity.
   B. data transfer rate.
   C. signal conversion technique.
   D. buswidth.

   Reference: Dial-Up Connections
   Difficulty: Moderate

14. Which of the following is an advantage of dial-up over broadband Internet connections?
   A. Speed of data transfer over the Internet
   B. Ability to simultaneously use the telephone while using the Internet
   C. Lower cost
   D. Download speed

   Reference: Dial-Up Connections
   Difficulty: Easy

15. Which of the following is the slowest broadband connection option that many think will soon become obsolete?
   A. ISDN
   B. Dial-up
   C. Cable
   D. DSL

   Reference: ISDN
   Difficulty: Moderate
16. The following Internet connection options all use telephone lines EXCEPT:

   A. ISDN.
   B. dial-up.
   C. cable.
   D. DSL.

Reference: Connecting to the Internet  Difficulty: Moderate

17. Which of the following Internet connection options is most likely to result in degradation of data transfer speeds due to users sharing the same lines?

   A. ISDN
   B. Dial-up
   C. Cable
   D. DSL

Reference: Cable  Difficulty: Moderate

18. With digital subscriber lines, the purpose of the modem is to:

   A. modulate digital signals into analog for transfer along the twisted pair cable.
   B. route signals to the proper “lane” within the twisted pair cable.
   C. demodulate analog signals into digital for receiving data from the coaxial cable.
   D. facilitate call-waiting to enable users to talk on the telephone while using the Internet.

Reference: DSL  Difficulty: Hard

19. Proximity of the central office is an important consideration with the __________ Internet connection option.

   A. DSL
   B. satellite
   C. cable
   D. ISDN

Reference: DSL  Difficulty: Moderate
20. With cable modems:

A. sending data is faster than receiving data.
B. receiving data is faster than sending data.
C. sending data and receiving data are approximately the same speed.
D. it is impossible to send data.

Reference: Cable Difficulty: Moderate

21. Which of the following is the correct association between an Internet connection option and the most likely type of transmission medium to use?

A. DSL $\rightarrow$ microwave
B. Cable $\rightarrow$ coaxial
C. Satellite $\rightarrow$ infrared
D. ISDN $\rightarrow$ coaxial

Reference: Connecting to the Internet Difficulty: Moderate

22. The transmission of data from a satellite dish to a computer is accomplished via:

A. coaxial cable.
B. twisted pair cable.
C. microwave radiation.
D. infrared radiation.

Reference: Satellite Difficulty: Moderate

23. If you want to maximize the speed at which web pages and files will be downloaded and displayed on your browser, the best Internet connection option is:

A. ADSL.
B. SDSL.
C. ISDN.
D. satellite.

Reference: Connecting to the Internet (Figure 3.7) Difficulty: Hard
24. If you want to maximize the speed at which requests will be sent from your browser to the Internet provider, the best Internet connection option is:

   A. ADSL.
   B. SDSL.
   C. cable.
   D. satellite.

Reference: Connecting to the Internet (Figure 3.7)  Difficulty: Hard

25. The type of transmission wire that transports data at close to the speed of light is:

   A. infrared radiation.
   B. twisted pair cable.
   C. coaxial cable.
   D. fiber optic cable.

Reference: Cable  Difficulty: Moderate

26. Powerline technology:

   A. is slower than fiber optic technology.
   B. requires installation of special wires and cables.
   C. is likely to be more expensive than traditional broadband approaches.
   D. would offer a connection in every room with a power outlet.

Reference: Trends in IT: Emerging Technologies  Difficulty: Moderate

27. An ISP is a:

   A. computer that serves as a gateway to the Internet.
   B. company that provides Internet access.
   C. software product that enables client computers to connect to the Internet.
   D. device that is necessary for transmitting information over the Internet.

Reference: Finding an Internet Service Provider  Difficulty: Moderate
28. By managing the communications lines that make up the main transmission media of the Internet, companies like AT&T, Sprint, and MCI act as:

A. Internet service providers to end-users like you and me.
B. online service providers to end-users like you and me.
C. backbone providers.
D. web browsing software publishers.

Reference: Finding an Internet Service Provider  Difficulty: Moderate

29. Which of the following categories do AOL and MSN belong to?

A. Internet service providers
B. Online service providers
C. Backbone providers
D. Web browsing providers

Reference: Finding an Internet Service Provider  Difficulty: Moderate

30. The web browser that integrates seamlessly with Microsoft Office applications is:

A. Netscape.
B. Opera.
C. Internet Explorer.
D. Lynx.

Reference: Browser Features  Difficulty: Moderate

31. Free access to AOL’s Instant Messenger is provided along with the web browser:

A. Netscape.
B. Opera.
C. Internet Explorer.
D. Lynx.

Reference: Browser Features  Difficulty: Moderate
32. In the URL http://www.prenhall.com, the portion labeled http is the:

A. host.
B. domain name.
C. protocol.
D. top-level domain.

Reference: URLs Difficulty: Moderate

33. In the URL http://www.prenhall.com, the portion labeled .com is the:

A. host.
B. domain name.
C. protocol.
D. top-level domain.

Reference: URLs Difficulty: Moderate

34. The set of rules that establish how documents should be interpreted when transmitted over the Internet is called a(n):

A. ISP.
B. protocol.
C. domain.
D. hyperlink.

Reference: URLs Difficulty: Moderate
35. A hyperlink can be identified in a web page because it usually is:
   A. preceded with the text http://.
   B. blinking or highlighted.
   C. shown as a URL in the text.
   D. underlined and blue in color.

Reference: URLs  Difficulty: Moderate

36. The web sites that a user has recently accessed from a given browser is stored in the browser’s:
   A. breadcrumb list.
   B. history list.
   C. recent sites list.
   D. hyperlink list.

Reference: Hyperlinks and Beyond  Difficulty: Moderate

37. Yahoo! is an example of a:
   A. web browser.
   B. search engine.
   C. crawler.
   D. subject directory.

Reference: Subject Directories  Difficulty: Moderate

38. The purpose of a spider is to:
   A. find web sites that have changed since the user’s last search.
   B. serve as a storage facility for indexed web sites.
   C. trace through hyperlink paths to read and collect web pages.
   D. help to narrow or expand a search for a user.

Reference: Search Engines  Difficulty: Moderate
39. Which of the following Boolean keywords or symbols will result in narrowing (rather than expanding) the list of items found in a search?

A. AND
B. OR
C. *
D. +

Reference: Dig Deeper: Refining Your Web Searches  Difficulty: Hard

40. Which of the following methods of web searching involves starting with major categories, then narrowing in on successively more specific subcategories until finding a list of specific web sites?

A. Search engines
B. Boolean operations
C. Subject directories
D. History lists

Reference: Subject Directories  Difficulty: Moderate

41. Plagiarism becomes a copyright violation if:

A. you cite your sources.
B. you plagiarize for economic gain.
C. you use plagiarized material to cheat on a term paper.
D. you use plagiarized material in a PowerPoint presentation.

Reference: Trends in IT: Ethics  Difficulty: Moderate

42. Which of the following Internet-based communication methods is most similar to conducting a private telephone conversation with a single person?

A. E-mail
B. Chat room
C. Instant messaging
D. Newsgroup

Reference: Instant Messaging  Difficulty: Moderate
43. Which of the following is NOT an advantage of web-based e-mail accounts over client-based e-mail accounts?

A. Lower cost
B. Higher storage capacity
C. Accessibility when traveling
D. Availability via browsers

Reference: E-Mail  Difficulty: Moderate

44. The filtering feature of many client-based e-mail systems enables the user to:

A. prevent all forms of pornography.
B. prevent children from accessing inappropriate web sites.
C. reduce exposure to unwanted spam mail.
D. maintain lists of contacts to allow sending of group e-mail messages.

Reference: E-Mail  Difficulty: Moderate

45. An online auction house like eBay falls into the ____________ category of e-commerce.

A. B2B
B. B2C
C. C2B
D. C2C

Reference: E-Commerce  Difficulty: Moderate

46. Online retail web sites such as Amazon.com fall into the ____________ category of e-commerce.

A. B2B
B. B2C
C. C2B
D. C2C

Reference: E-Commerce  Difficulty: Moderate
47. When a company uses the web to conduct business with its supplier, this falls into the ____________ category of e-commerce.

A. B2B  
B. B2C  
C. C2B  
D. C2C

Reference: E-Commerce  Difficulty: Moderate

48. Which of the following statements about a cookie is FALSE?

A. It provides convenience to a user by saving him or her the effort of retyping information into web forms.  
B. It has the potential to provide companies with information you don’t want to share.  
C. It is stored in a company’s database at its web site.  
D. It will not contain any virus or worm that could harm your computer.

Reference: Cookies  Difficulty: Moderate

49. The advantage of streaming audio or video is that it:

A. makes it easier to store audio and video files after downloading them.  
B. speeds up the download process by compressing files.  
C. automatically imports the plug-ins required for listening or viewing the files.  
D. allows users to listen or view during the download process.

Reference: Multimedia.com  Difficulty: Moderate

50. Which characteristic best fits the Internet Connection option, “DSL”

A. not a broadband option.  
B. primary transmission medium is coaxial cable.  
C. slowest of the broadband options.  
D. available in rural areas where other options don’t exist.  
E. includes symmetrical and asymmetrical options

Reference: Connecting to the Internet  Difficulty: Moderate
51. Which characteristic best fits the Internet Connection option, “ISDN”
   A. not a broadband option.
   B. primary transmission medium is coaxial cable.
   C. slowest of the broadband options.
   D. available in rural areas where other options don’t exist.
   E. includes symmetrical and asymmetrical options

Reference: Connecting to the Internet  
Difficulty: Moderate

52. Which characteristic best fits the Internet Connection option, “Cable”
   A. not a broadband option.
   B. primary transmission medium is coaxial cable.
   C. slowest of the broadband options.
   D. available in rural areas where other options don’t exist.
   E. includes symmetrical and asymmetrical options

Reference: Connecting to the Internet  
Difficulty: Moderate

53. Which characteristic best fits the Internet Connection option, “Satellite”
   A. not a broadband option.
   B. primary transmission medium is coaxial cable.
   C. slowest of the broadband options.
   D. available in rural areas where other options don’t exist.
   E. includes symmetrical and asymmetrical options

Reference: Connecting to the Internet  
Difficulty: Moderate

54. Which characteristic best fits the Internet Connection option, “Dial-up”
   A. not a broadband option.
   B. primary transmission medium is coaxial cable.
   C. slowest of the broadband options.
   D. available in rural areas where other options don’t exist.
   E. includes symmetrical and asymmetrical options
Reference: Connecting to the Internet  Difficulty: Moderate

55. Which description best fits the Internet Connection option, “DSL”
   A. phone line is divided into three “lanes” through the twisted pair lines.
   B. requires proper line-of-sight for best performance.
   C. heavy usage of shared medium during peak hours can degrade performance.
   D. typically involves use of a 56K modem.
   E. soon to be obsolete as a broadband option

Reference: Connecting to the Internet  Difficulty: Moderate

56. Which description best fits the Internet Connection option, “ISDN”
   A. phone line is divided into three “lanes” through the twisted pair lines.
   B. requires proper line-of-sight for best performance.
   C. heavy usage of shared medium during peak hours can degrade performance.
   D. typically involves use of a 56K modem.
   E. soon to be obsolete as a broadband option

Reference: Connecting to the Internet  Difficulty: Moderate

57. Which description best fits the Internet Connection option, “Cable”
   A. phone line is divided into three “lanes” through the twisted pair lines.
   B. requires proper line-of-sight for best performance.
   C. heavy usage of shared medium during peak hours can degrade performance.
   D. typically involves use of a 56K modem.
   E. soon to be obsolete as a broadband option

Reference: Connecting to the Internet  Difficulty: Moderate

58. Which description best fits the Internet Connection option, “Satellite”
   A. phone line is divided into three “lanes” through the twisted pair lines.
   B. requires proper line-of-sight for best performance.
   C. heavy usage of shared medium during peak hours can degrade performance.
D. typically involves use of a 56K modem.

E. soon to be obsolete as a broadband option

**Reference:** Connecting to the Internet  
**Difficulty:** Moderate

59. Which description best fits the Internet Connection option, “Dial-up”

A. phone line is divided into three “lanes” through the twisted pair lines.

B. requires proper line-of-sight for best performance.

C. heavy usage of shared medium during peak hours can degrade performance.

D. typically involves use of a 56K modem.

E. soon to be obsolete as a broadband option

**Reference:** Connecting to the Internet  
**Difficulty:** Moderate

60. Which meaning best fits the term, “backbone”

A. client-side text file used by web sites via browser.

B. search engine’s navigation software.

C. continuous download and simultaneous play of large audio or video files.

D. Internet connection with high-capacity data transfer.

E. main pathway of data transmission through the Internet

**Reference:** Multiple locations in chapter  
**Difficulty:** Moderate

61. Which meaning best fits the term, “broadband”

A. client-side text file used by web sites via browser.

B. search engine’s navigation software.

C. continuous download and simultaneous play of large audio or video files.

D. Internet connection with high-capacity data transfer.

E. main pathway of data transmission through the Internet

**Reference:** Multiple locations in chapter  
**Difficulty:** Moderate

62. Which meaning best fits the term, “streaming”

A. client-side text file used by web sites via browser.
B. search engine’s navigation software.

C. continuous download and simultaneous play of large audio or video files.

D. Internet connection with high-capacity data transfer.

E. main pathway of data transmission through the Internet

Reference: Multiple locations in chapter

Difficulty: Moderate

63. Which meaning best fits the term, “spider”
   
   A. client-side text file used by web sites via browser.
   
   B. search engine’s navigation software.
   
   C. continuous download and simultaneous play of large audio or video files.
   
   D. Internet connection with high-capacity data transfer.
   
   E. main pathway of data transmission through the Internet

Reference: Multiple locations in chapter

Difficulty: Moderate

64. Which meaning best fits the term, “cookie”
   
   A. client-side text file used by web sites via browser.
   
   B. search engine’s navigation software.
   
   C. continuous download and simultaneous play of large audio or video files.
   
   D. Internet connection with high-capacity data transfer.
   
   E. main pathway of data transmission through the Internet

Reference: Multiple locations in chapter

Difficulty: Moderate

65. Which meaning best fits the acronym, “B2C”
   
   A. company providing access to the Internet.
   
   B. form of person-to-person communication over the Internet.
   
   C. identifying address of a web page.
   
   D. form of retail e-commerce.
   
   E. internal adapter card

Reference: Multiple locations in chapter

Difficulty: Moderate
66. Which meaning best fits the acronym, “ISP”

A. company providing access to the Internet.
B. form of person-to-person communication over the Internet.
C. identifying address of a web page.
D. form of retail e-commerce.
E. internal adapter card

Reference: Multiple locations in chapter
Difficulty: Moderate

67. Which meaning best fits the acronym, “IM”

A. company providing access to the Internet.
B. form of person-to-person communication over the Internet.
C. identifying address of a web page.
D. form of retail e-commerce.
E. internal adapter card

Reference: Multiple locations in chapter
Difficulty: Moderate

68. Which meaning best fits the acronym, “URL”

A. company providing access to the Internet.
B. form of person-to-person communication over the Internet.
C. identifying address of a web page.
D. form of retail e-commerce.
E. internal adapter card

Reference: Multiple locations in chapter
Difficulty: Moderate

69. Which meaning best fits the acronym, “NIC”

A. company providing access to the Internet.
B. form of person-to-person communication over the Internet.
C. identifying address of a web page.
D. form of retail e-commerce.
E. internal adapter card
70. Which meaning best fits the acronym, “IP”
   A. special-purpose language for constructing web pages.
   B. addressing protocol for the Internet.
   C. protocol for transmitting communications between web servers and browsers.
   D. file format for audio files.
   E. protocol for transmitting files over the Internet

71. Which meaning best fits the acronym, “FTP”
   A. special-purpose language for constructing web pages.
   B. addressing protocol for the Internet.
   C. protocol for transmitting communications between web servers and browsers.
   D. file format for audio files.
   E. protocol for transmitting files over the Internet

72. Which meaning best fits the acronym, “HTML”
   A. special-purpose language for constructing web pages.
   B. addressing protocol for the Internet.
   C. protocol for transmitting communications between web servers and browsers.
   D. file format for audio files.
   E. protocol for transmitting files over the Internet

73. Which meaning best fits the acronym, “HTTP”
   A. special-purpose language for constructing web pages.
   B. addressing protocol for the Internet.
   C. protocol for transmitting communications between web servers and browsers.
   D. file format for audio files.
E. protocol for transmitting files over the Internet

**Reference:** Multiple locations in chapter  
**Difficulty:** Moderate

74. Which meaning best fits the acronym, “MP3”

A. special-purpose language for constructing web pages.
B. addressing protocol for the Internet.
C. protocol for transmitting communications between web servers and browsers.
D. file format for audio files.
E. protocol for transmitting files over the Internet

**Reference:** Multiple locations in chapter  
**Difficulty:** Moderate