2016-2017第一学期

计算机引论复习大纲

**一、True/False（判断题）**

**Indicate whether the sentence or statement below is True or False.**

1. Digital technology has made it easy to produce copies of music with no loss of quality from the original. （F）

2. Cloud computing characterized the first phase of the digital revolution. (F)

3. RAM is volatile, which means it must constantly receive electric power to hold data.(T)

4. The software you install to help a printer communicate with a computer is called a device driver(T).

5. Serial processing is when a processor begins executing one instruction before it completes the previous instruction. (F)

6. Security software is designed to protect computers from various forms of destructive software and unauthorized intrusions.(T)

7. Public key encryption uses a public key to encrypt messages, but a private key is required to decrypt messages.(T)

8. A computer’s operating system is a type of application software. (F)

9. Microcontrollers are special purpose microprocessors that can be embedded in devices such as refrigerators, cars, and washing machines.(T)

10. ASCII and Unicode are used to represent character data. (T)

11. A megabyte(MB) is 1024 bits. (F)

12. Microprocessors are a type of integrated circuit. (T)

13. C, COBOL, and Java are examples of programming languages.(T)

14. A compiler converts source code to object code. (T)

15. The list of codes for a microprocessor’s instruction set is called machine language.(T)

16. The set of instructions that tells a computer how to carry out processing tasks is a computer program.

17. A dictionary attack is a virus that hides out in the spelling checker for your word processing software.(F)

18. RAM is volatile, which means it must constantly receive electric power to hold data.(T)

19. A netbook is a scaled-down version of a standard notebook computer. (F)

20. Small business computers have better sound and graphics capabilities than home or game computers. (F)

21. PCs, Macs, and Linux are three computer platforms. (T)

22. Today’s Macs can be configured to run Windows. (T)

23. A bit is a binary digit, such as a 1 or 0. (T)

24. Pentium, Core, ARM7, and Athlon are types of microprocessors. (T)

25. Today’s computers typically process 8 bits at a time. (F)

26. Serial processing is when a processor begins executing one instruction before it completes the previous instruction. (F)

27. In RAM microscopic electronic parts called capacitors hold the bits that represent data. (T)

28. ROM is a type of memory that holds the computer’s startup routine. (T)

29. Hard disk drives, optical drives, and solid state drives are random access devices. (F)

30. CD-RWs allow you to record data, but data cannot be changed once it is recorded. (F)

31. 1 080p is a measure of resolution. (T)

32. The set of instructions that tells a computer how to carry out processing tasks is a computer program.

33. A surge strip allows you to use your desktop computer during a power outage.

34. The two main categories of software are application software and system software.

35. Location-based software can pinpoint its location by using the device’s built-in GPS or by triangulating the distance from nearby cell towers.

36. Screen readers are an example of adaptive utility software.

37. The software you install to help a printer communicate with a computer is called a device driver.

38. Downloaded software is usually zipped to decrease download time.

39. Database software stores information in HTML codes.

40. The term server can refer to a combination of hardware and software.

41. Web apps typically are installed on your computer’s local hard disk.

42. The results of statements that have been compiled are called object code.

43. Open source software is public domain.

44. A software worm can replicate itself.

45. Utility software is a type of application software.

46. Security software is designed to protect computers from various forms of destructive software and unauthorized intrusions

47. Botnets offer effective security protection from spyware.

48. To keep your antivirus software up to date, it is important to get updates of the rootkit.

49. A bootstrap program is a popular type of application software.

50. During a computing session, the operating system is executed from RAM.

51. An operating system manages a computer’s resources such as the processor, RAM, and storage space.

52. Wireless networks are more safe than wired networks.

53. A file specification is also called a path.

54. Windows Explorer is a file management utility.

55. Hard disks, CDs, and DVDs are formatted into tracks and sectors.

56. To repopulate a new hard disk from an incremental backup, you have to first restore a full backup.

57. The networks typically installed by individuals in homes are classified as LANs.

58. High bandwidth networks, such as cable TV and DSL are referred to as broadband.

59. When you send an e-mail message over a network, it is chopped up into packets.

60. The IP address assigned to your computer on the Internet is derived from your computer’s MAC address.

61. IP breaks a message or file into packets.

62. Wired network connections can offer higher speeds than wireless connections.

63. The most popular type of wired connection is Ethernet.

64. Network speeds are measured in megabytes and gigabytes.

65. Many wireless connections use radio waves to transmit data.

66. Wireless connections are less secure than wired networks.

67. To configure a router, you usually have to start a browser and enter the router’s IP address.

68. A homegroup is a temporary network of handheld computers.

69. Public key encryption uses a public key to encrypt messages, but a private key is required to decrypt messages.

70. TCP, IP, UDP, HTTP, and FTP are examples of protocols used on the Internet.

71. 204.127.129.100 is an example of an IP address.

72. The Domain Name System stores IP addresses and their equivalent domain names.

73. 10 Mbps is a narrowband Internet connection.

74. Dial-up and DSL provide Internet access using telephone cabling.

75. Cable Internet service is fast because it has lots of latency.

76. For many client-based e-mail systems, a POP server handles incoming mail, and a SMTP server handles outgoing mail.

77. Public Wi-Fi hotspots provide mobile Internet access.

78. With mobile broadband, you can use a cell phone to set up a mobile Internet connection.

79. Cloud computing uses distributed grid computing to predict weather.

80. VoIP uses circuit switching technology to send analog data.

81. FTP makes it easy to anonymously use a search engine.

82. BitTorrent is an Internet security protocol.

83. Consumers should use port probes to encrypt data sent over the Internet.

84. NATs are used by hackers to intercept packets traveling over the Internet.

85. http://www.baidu.com is an example of a URL.

86. The Web uses WEP as its main protocol

87. If your browser can’t open PDF files, you can download the Adobe Reader plug-in.

88. The Web uses cookies because HTTP is stateless.

89. A Web designer who wants to create interactive pages can use scripts, Java applets, and ActiveX controls.

90. A Web crawler is type of virus that affects cookies.

91. Most e-commerce shopping carts use cookies to keep track of the items you are purchasing.

92. Secure connections typically begin with https.

93. POP, IMAP, and SMTP are Web page protocols.

94. E-mail attachments are converted with MIME into ASCII code.

95. Blocking third-party cookies helps eliminate Web bugs.

96. The computers and software that store and distribute Web pages are called Web clients.

97. For many client-based e-mail systems, a POP server handles incoming mail, and a SMTP server handles outgoing mail.

98. Ethernet simultaneously broadcasts data packets to all network devices.

99. Any access to data or programs by hackers, criminals, or other unauthorized persons is called intrusion

100. A C2C e-commerce transaction occurs when individual consumers purchase goods and services from online merchants.

1. **Multiple Choice（多选题）**

**Identify the letter of the choice that best completes the statement or answers the question.**

1. The binary number 10 represents \_\_\_\_ in the decimal number system.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | 1 | C. | 10 |
| B. | 2 | D. | 100 |

2. The type of code that uses only seven bits for each character is \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | ASCII | C. | EBCDIC |
| B. | Extended ASCII | D. | all of the above |

3. If virus protection software identifies a virus, it can try to take all of the following actions except \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | remove the infection | C. | delete the file |
| B. | put the file in quarantine | D. | shut down the computer |

4. A \_\_\_\_ is an additional set of commands that the computer displays after you make a selection from the main menu.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | submenu | C. | menu selection |
| B. | dialog box | D. | all of the above |

5. The main directory maintained by your computer’s operating system is the \_\_\_\_ directory.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | root | C. | preset |
| B. | leaf | D. | support |

6. The process of transferring a file from a remote computer to a local computer is called \_\_\_\_.

A. uploading B. downloading C. updating D. inputting

7. Application software is designed to accomplish \_\_\_\_ tasks.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | computer-centric | C. | gaming |
| B. | real-world | D. | only operating system |

8. \_\_\_\_ is a temporary holding area for data, application program instructions, and the operating system.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | ROM | C. | Disk storage |
| B. | EEPROM | D. | RAM |

9. RAM can be thought of as the \_\_\_\_ for the computer’s processor.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | factory | C. | waiting room |
| B. | operating room | D. | planning room |

10. Storage devices have varying levels of versatility, durability, speed, and capacity. For a student who owns a computer, but sometimes needs to use computers in the school lab, which storage device is most versatile?

A. Hard disk drive B. CD-R

C. Solid state drive D. USB flash drive

11. A \_\_\_\_ is a physical path or a frequency used for signal transmissions.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | logical channel | C. | connecting link |
| B. | communications channel | D. | node link |

12. A hard disk \_\_\_\_ is a flat, rigid disk made of aluminum or glass and coated with magnetic iron oxide particles.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | window | C. | platter |
| B. | fragment | D. | control unit |

13. CD, DVD, and Blu-ray technologies can be classified as \_\_\_\_ storage.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | solid state | C. | magnetic |
| B. | bubble | D. | optical |

14. Web applications are \_\_\_\_.

A. installed locally and run on the Web B. installed on the Web and run locally

C. accessed and run on the Web D. all of the above

15. A(n) \_\_\_\_ display is standard equipment on notebook computers.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | PDA | C. | LCD |
| B. | HTML | D. | URL |

16. Incoming mail can be stored on a(n) \_\_\_\_ server until it is downloaded to the inbox on your hard disk.

|  |  |  |
| --- | --- | --- |
| Webmail | C. | IMAP |
| POP3 | D. | SMTP |

17. \_\_\_\_ software is a type of security software designed to identify and neutralize Web bugs, ad-serving cookies, and other types of malware.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | Antivirus | C. | Antispyware |
| B. | Crawler | D. | Indexer |

18 A(n) \_\_\_\_ is a collection of related information organized and formatted so it can be accessed using software called a browser.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | Web site | C. | podcast |
| B. | Internet | D. | tag |

19. What is the fundamental difference between videogame consoles, personal computers, and smartphones?

A. Video game consoles and smartphones are not classified as computers because they don’t have stored program capabilities like real computers.

B. Videogame consoles and smartphones fill specialized niches and are not replacements for personal computers.

C. Personal computers and smartphones can be used to access the Internet, whereas videogame consoles cannot.

D. Personal computers and smartphones have better graphics than videogame consoles.

20. A(n) \_\_\_\_ helps people locate information on the Web by formulating simple keyword queries.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | navigator | C. | search engine |
| B. | browser | D. | HTML tag |

21. An example of software most commonly associated with productivity software is \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | the Windows operating system | C. | word processing software |
| B. | a real-time player | D. | a browser |

22. Productivity software that provides you with the ability to create, spell-check, edit, and format is considered \_\_\_\_ software.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | word processing | C. | Web authoring |
| B. | desktop processing | D. | spreadsheet |

23. When using word processing software to analyze the reading level of your document, you should use a \_\_\_\_.

|  |  |  |
| --- | --- | --- |
| thesaurus | C. | readability formula |
| grammar checker | D. | paragraph checker |

24. When you purchase a textbook online from a site like www.amazon.com, you are participating in \_\_\_\_ e-commerce.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | C2C | C. | B2B |
| B. | B2C | D. | B2G |

25.To find a particular record or group of records in a database, you use a(n) \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | find | C. | inquiry |
| B. | query | D. | search |

26. Just about everyone has used iTunes software to download music. iTunes software also allows you to list the songs you’ve downloaded, delete songs, find songs, and organize your music into play lists. These features of iTunes are similar to what type of software?

A. Word processing software B. Spreadsheet software.

C. Database software D. Groupware

27. \_\_\_\_ applications are software that is installed on a computer’s hard disk.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | Help | C. | Data |
| B. | Resident | D. | Local |

28. A security suite will typically include all of the following EXCEPT \_\_\_\_ software.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | antivirus | C. | antispyware |
| B. | firewall | D. | browser |

29. A group of sectors is called a \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | file system | C. | track |
| B. | cluster | D. | folder |

30. \_\_\_\_ currently offers the fastest Internet access speeds.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | ISDN | C. | Satellite |
| B. | DSL | D. | Cable |

31. Cable Internet service needs \_\_\_\_.

|  |  |
| --- | --- |
| A. | circuitry to handle Ethernet protocols and a cable modem |
| B. | a cable modem and router |
| C. | Internet protocols and a cable modem |
| D. | a cable modem and phone lines |

32. An Ethernet-compatible network standard designated as IEEE 802.16 is \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | WiFi | C. | WiMAX |
| B. | WiLAN | D. | WiMAN |

33. Portable Internet access includes all of the following EXCEPT \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | WiFi | C. | portable WiMAX |
| B. | portable satellite | D. | cellular |

34. \_\_\_\_ are intended to work within LANs to monitor and direct packets being transported from one device to another.

|  |  |  |
| --- | --- | --- |
| Routers | C. | Filters |
| Gateways | D. | Firewalls |

35. A compute-intensive problem runs on a \_\_\_\_.

|  |
| --- |
| A. Server B. Supercomputer  C. Miniframe D. Super PC |

36. When you purchase a textbook online from a site like www.amazon.com, you are participating in \_\_\_\_ e-commerce.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | C2C | C. | B2B |
| B. | B2C | D. | B2G |

37. Incoming mail can be stored on a(n) \_\_\_\_ server until it is downloaded to the inbox on your hard disk.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | Webmail | C. | IMAP |
| B. | POP3 | D. | SMTP |

38. There are two main types of e-mail, each with advantages and disadvantages. If you are using Microsoft Mail, Mozilla Thunderbird, or a similar e-mail client, which type of mail does that software handle?

A. Webmail

B. Indexed mail

C. POP mail

D. HTTP mail

39. Cookies can be exploited by hackers and marketers. What is the best way to handle cookies on your computer to avoid exploits, but maintain adequate functionality for e-commerce and other Web activities?

A. Delete cookies often

B. Block third-party cookies

C. Block all cookies

D. Opt out of cookies

40. Webmail allows you to use a(n) \_\_\_\_ to access and view your e-mail messages.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | operating system | C. | browser |
| B. | server | D. | crawler |

41. The process of transferring a file from a remote computer to a local computer is called \_\_\_\_.

A. updating B. Uploading

C. downloading D. inputting

42. An HTTP exchange takes place over a pair of \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | sockets | C. | switches |
| B. | packets | D. | networks |

43. A \_\_\_\_ HTTP connection reuses the same HTTP connection to send and receive multiple requests.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | status | C. | server |
| B. | port-based | D. | persistent |

44. A \_\_\_\_ enables a Web server to keep track of your activity and compile a list of your purchases.

|  |  |  |
| --- | --- | --- |
| cookie | C. | socket |
| plug-in | D. | style sheet |

45. A(n) \_\_\_\_ adds HTML tags to a document, spreadsheet, or other text-based file to create an HTML document that can be displayed by a browser.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | online Web authoring tool | C. | HTML conversion utility |
| B. | Web authoring software program | D. | wiki |

46. \_\_\_\_ provides tools specifically designed to enter and format Web page text, graphics, and links.

|  |  |  |  |
| --- | --- | --- | --- |
| A. | A text editor | C. | Web Creator |
| B. | Web authoring software | D. | W3C |

47.Which of the following is a portable computer?

A. workstation B. notebook

C. supercomputer D. mainframe

48. A group of Web pages is usually referred to as a Web \_\_\_\_.

A. book. B. Pamphlet.

C. place. D. site.

49. RAM can be thought of as the \_\_\_\_ for the computer’s processor.

|  |
| --- |
| A. factory B. waiting room  C. operating room D. planning roo |

50. Programs such as Internet Explorer that serve as navigable windows into the Web are called \_\_\_\_.

A. web browser B. Networks

C. Internet D. hypertext

51. Just about everyone has used iTunes software to download musiC. iTunes software also allows you to list the songs you’ve downloaded, delete songs, find songs, and organize your music into play lists. These features of iTunes are similar to what type of software?

A. Word processing software B. Spreadsheet software.

C. Database software D. Groupware

52. Suppose you purchase a new computer and it comes with Microsoft Office installeD. After using this software for 30 days, it displays a message indicating that to keep using it, you will have to pay. This software is an example of all of the following EXCEPT:

A. Proprietary software B. Open source software

C. Commercial software D. Demoware

53. What is the fundamental difference between videogame consoles, personal computers, and smartphones?

A. Video game consoles and smartphones are not classified as computers because they don’t have stored program capabilities like real computers.

B. Videogame consoles and smartphones fill specialized niches and are not replacements for personal computers.

C. Personal computers and smartphones can be used to access the Internet, whereas videogame consoles cannot.

D. Personal computers and smartphones have better graphics than videogame consoles.

54. Web applications are \_\_\_\_.

|  |
| --- |
| A. installed locally and run on the Web B. installed on the Web and run locally  C. accessed and run on the Web D. all of the above |

55. Networks need to communicate with each other. What is the key to network intercommunication?

A. Circuit switching B. Network protocols

C. Network topology D. Peer-to-peer technology

56. Let’s assume that you have antivirus software installed on your computer and it is up to date. You can trust it to do a pretty good job of protecting your computer from viruses and:

A. Bots, worms, Trojans, keyloggers, and rootkits

B. RATs, spoofs, and defective Web apps

C. Operating system security holes

D. Fake e-commerce sites

57. Networks need to communicate with each other. What is the key to network intercommunication?

A. Circuit switching B. Network protocols

C. Network topology D. Peer-to-peer technology

58. Search engines are a key Web technology. When you use a search engine, you can be confident that:

A. Your searches will remain confidential.

B. Information accessed by a search engine is in the public domain.

C. Search engine results are totally impartial.

D. You can usually narrow a search by adding more key words.

59. Computers and the digital revolution have changed our lives in many fundamental ways. If you were on the front lines of the digital revolution when computers were first developed to break codes and calculate missile trajectories, you were most likely living in what time period?

A. World War I

B. The Roaring Twenties

C. World War II

D. The 1960s

60. Today, consumers can choose from a wide variety of digital devices, including personal computers, workstations, videogame consoles（游戏机）, smartphones, and iPods. Knowing the strengths of these devices helps you make the right choice. What is the fundamental difference between videogame consoles, personal computers, and smartphones?

A. Video game consoles and smartphones are not classified as computers because they don’t have stored program capabilities like real computers.

B. Videogame consoles and smartphones fill specialized nichesand are not replacements for personal computers.

C. Personal computers and smartphones can be used to access the Internet, whereas videogame consoles cannot.

D. Personal computers and smartphones have better graphics than videogame consoles.

61.When you shop for digital devices, their capabilities are often touted in terms of speed and capacity. Suppose you’re shopping for a USB Flash drive. A friend recommends one that’s 64 GB. What does that mean?

A. It operates at 64 gigabits per second.

B. It holds 64 billion bytes of data.

C. It holds 64 million 0s and 1s to represent data.

D. It uses 64-bit ASCII code to hold data.

62. Programmers write computer programs for word processing, displaying photos, playing music, and showing movies. What programmers write, however, is not what a computer actually processes. Why is this the case?

A. Because programmers usually write programs using high-level programming languages that have to be converted into machine language that computers can work with.

B. Because programs are basically outlines that programmers have to fill out using op codes.

C. Because high-level languages are too detailed for computers to process, so programs written in these languages have to be simplifieD.

D. Because computer programmers make too many errors for programs to run successfully.

63. Security experts stress that the use of “strong” passwords can prevent identity theft and help to keep your computer files secure. Which of the following passwords is likely to be the most secure?

A. 12345 because it is all numbers.

B. Hippocampus, because it is a long and unusual word.

C. Il2baomw, because it combines numbers with a nonsense word.

D. Football88, because it combines a word and numbers.

64. In the interest of being ecological, many consumers consider upgrading their computers instead of disposing of them and buying a new one. Which one of the following upgrades is best left to professional technicians?

A. Replacing the microprocessor with a newer model

B. Adding an external hard drive for backup

C. Swapping out a graphics card for a more powerful one

D. Adding RAM

65. A set of computer programs that helps a computer monitor itself and function more efficiently is \_\_\_\_.

|  |
| --- |
| A. a software suite B. application software  C. system software D. processing software |

66. Some computers are suitable for e-mail, word processing, and similar low-key operations, whereas other computers have the power to keep up while you play complex action games, edit high-resolution videos, and prepare multi-track sound recordings. Which of the following computers is the most powerful?

A. Intel Core 7 quad-core processor; 48 GB RAM

B. AMD Phenom Quad core processor; 4 GB RAM

C. Intel Core 2 Quad processor; 2 GB RAM

D. ARM7processor; 4 GB RAM

67. Storage devices have varying levels of versatility（多用途）, durability（持久性）, speed, and capacity. For a student who owns a computer, but sometimes needs to use computers in the school lab, which storage device is most versatile?

A. Hard disk drive

B. CD-R

C. Solid state drive

D. USB flash drive

68. Computer owners usually want to add various peripheral devices to their computers. Suppose you have a notebook computer and you want to add an external hard drive, but you’ve run out of USB ports. What can you do?

A. Use the HDMI port insteaD.

B. Plug directly into the expansion bus.

C. Swap in a USB hub for one of the currently connected peripherals.

D. Use an Ethernet-to-USB converter.

69. When you treat your computer carefully and perform basic maintenance, you can avoid many hardware problems, However, if you encounter the blue screen of death, what has gone wrong?

A. The operating system has encountered an error from which it cannot recover.

B. Your computer has contracted a virus.

C. Your hard disk is full.

D. Your display device has malfunctioneD.

70.Software publishers offer a huge variety of products for personal computer owners. From which of the following categories does the typical computer owner purchase add-on software?

A. System software and operating systems

B. Application software and utilities

C. Device drivers and application software

D. System software and antivirus software

71.Just about everyone has used iTunes software to download musiC. iTunes software also allows you to list the songs you’ve downloaded, delete songs, find songs, and organize your music into play lists. These features of iTunes are similar to what type of software?

A. Word processing software

B. Spreadsheet software

C. Database software

D. Groupware

72.Suppose that you’re looking for software to convert a YouTube video into a format you can use with Windows Media Player or iMovie. You don’t want to bother downloading or installing any software on your computer. What should you look for?

A. A Web app

B. Open source software

C. A .zip file

D. A portable app

73. Suppose you purchase a new computer and it comes with Microsoft Office installeD. After using this software for 30 days, it displays a message indicating that to keep using it, you will have to pay. This software is an example of all of the following EXCEPT:

A. Proprietary software

B. Open source software

C. Commercial software

D. Demoware

74. A computer handles many tasks simultaneously. Which one of the following refers to the processor’s ability to handle multiple tasks, rather than the operating system’s ability to do so?

A. Multi-core

B. Multitasking

C. Multithreading

D. Multiprocessing

75. Today’s popular operating systems include Windows, Mac OS, Linux, Android, and iOS. Each has strengths and weaknesses that are important to understanD. Which of the following statements is correct?

A. iOS is built on the Windows kernel, so it is ideal for smartphones because it has good resistance to malware.

B. If you don’t like the user interface for Windows but want to run the vast variety of Windows software, you can install Linux.

C. Linux and Mac OS have a reputation for being more stable than Windows.

D. Windows includes software called Boot Camp that allows PCs to boot into different operating systems, such as Mac OS, Linux, iOS, and AndroiD.

76. Suppose a friend sends you a file called Twain.dll. From the file name, what can you deduce?

A. That it is a word processing document, probably about Mark Twain.

B. That you should be able to open it using Microsoft WorD.

C. That the file extension makes it a virus.

D. That it is a support program file, perhaps part of the device driver for your scanner.

77. Before donating your computer to a charitable organization, you can make sure your personal data cannot be accessed from the hard disk by:

A. Deleting any files that contain personal datA.

B. Deleting files containing personal data and then emptying the Recycle Bin or Trash.

C. Deleting all the files and folders on your computer’s hard disk.

D. Deleting all files and folders and then using file shredder software.

78. Copying important data files from your computer’s hard disk to an optical disk or flash drive is a simple way to back up datA. It is not a total backup solution, however. Why not?

A. You cannot restore these files to a new hard disk without the activation codes.

B. The backup is bootable, but it won’t start your computer if the hard disk fails.

C. You have not backed up your programs or your personal settings.

D. You have not backed up the restore points needed to reconfigure the Windows Registry for a new hard disk.

79. Networks come in many sizes and use many different technologies, yet they all need to communicate with each other. What is the key to network intercommunication?

A. Circuit switching

B. Network protocols

C. Network topology

D. Peer-to-peer technology

80 Suppose your friend has a home office and usually does most work on a desktop computer. Your friend also has a smartphone and tablet computer that could benefit from Internet access. What kind of network would you recommend?

A. A network that has a wireless router that provides wireless and wired connections as well as Internet access

B. A cloud network that can be accessed from a bridge device

C. A file server

D. A 100 gigabit Ethernet network

81. When you’re setting up a wireless network, you see an option asking if you want to broadcast the network SSID. You should:

A. Change the default SSID and broadcast it.

B. Turn SSID broadcasting off so that hackers don’t know the network’s encryption key.

C. Make sure SSID is broadcasting so that your network is protected by strong encryption.

D. Activate SSID broadcasting or else the network devices won’t be able to send data to the router.

82. There are many ways to share files among the computers on a network. Which one of the following is the LEAST secure way to share files?

A. Use a file server.

B. Activate file sharing for the root directory of all the computers in the network.

C. Designate specific folders on your computer as shareD.

D. Put files you want to share in the Public folder.

83. How can you tell if someone is hacking your network?

A. Assign an IP address to each network device.

B. Scan your router for viruses that might have been left by hackers.

C. Set up your router software to maintain a log of network activity.

D. Disable the SSID.

84. One reason the Internet works is because TCP/IP offers a global addressing standarD. Which one of the following is accurate in the context of Internet addresses?

A. IPv6 addresses such as 204.127.129.1 are dedicated to educational institutions.

B. Top level domains like EarthLink or AOL are adequate for most consumers.

C. A domain name, such as amazon.com corresponds to a unique IP address.

D. A dynamic IP address begins with www.

85. Although ISPs offer Internet access though dial-up, satellites, WiMAX, and DSL, cable Internet is currently the preferred access methoD. Why?

A. It is the least expensive.

B. It is the fastest and most widely available technology.

C. It has the highest latency.

D. It was the original Internet access technology.

86. What is the difference between portable Internet access and mobile Internet access?

A. With portable access you cannot work online while moving very far.

B. Mobile access is less expensive than portable access.

C. Portable access requires cables, whereas mobile access does not.

D. Portable access requires a cell phone, whereas mobile access requires a notebook computer.

87. On the Internet, application protocols provide consumers with many useful services. Which one of the following correctly describes an Internet-based application protocol?

A. Chat and Instant messaging use Internet VoIP protocol.

B. Files can be shared over the Internet using FTP or BitTorrent protocols.

C. Cloud protocols such as SETI control distributed processing grids.

D. P2P is used to encrypt personal information to keep it private.

88. Securing your computer from Internet-based intrusions is an important aspect of computer security. Which one of the following is NOT a useful security technique?

A. Setting up NAT on a router

B. Activating firewall software

C. Checking the status of software ports

D. Activating your computer’s file sharing options

89. The Web requires many technologies. Which one of the following statements is accurate about these technologies?

A. HTML, XHTML, and Ajax extend basic Web scripts so that Web designers can create pages with videos and interactive questions.

B. Explorer, Safari, Firefox, and Chrome are examples of Web browsers.

C. Cookies and HTML codes are stateless Web protocols.

D. Text editors like ActiveX and Notepad can be used to create HTML documents.

90. Online shoppers are justifiably worried that personal information and credit card numbers supplied in the course of an e-commerce transaction might be hijacked and used inappropriately. What technology can hackers use to hijack credit card numbers?

A. A packet sniffer

B. S-HTTP

C. HTML

D. SSL

1. **Term Explanation（名词解释）**
2. Digitization
3. DBMS

3. Memory

1. RAM
2. Smartphone
3. TCP/IP
4. Application software
5. Source code
6. User ID
7. Graphics software

11. Operating System

12. Social Media

13. Computer program

14. E-commerce

15. peer-to-peer

16. LBS

17. Computer

18. Search engine

19. ROM BIOS

20. Boot

1. **Essay（回答问题）**

1. What is the user interface?

2. Describe 5 Internet Services.

3. Give some File Management Tips.

4. Describe the major events happening during the boot process.

5. Describe the HTML .

6. List at least 5 protocols used on the Internet and their function.

7. What should you consider if your network stops working?

8. Describe How Does Search Engine Works.

9. Describe the E-mail technology.

10. What is the Web 2.0?

11. What is the Web Browser ? Please list at least 5 web browsers you know.

12. Describe a typical shopping session.