**Introduction to Digital Technology Pre-Test** Click here to enter text.

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

|  |  |  |
| --- | --- | --- |
| Choose One | 1. | Computers are used in many careers. |
| Choose One | 2. | In the past females were less likely than males to pursue courses and jobs in computer science. |
| Choose One | 3. | Steve Wozniak invented the first Apple computer. |
| Choose One | 4. | Bill Gates became interested in computing at age 10. |
| Choose One | 5. | Copyright law is not broken if you do not sell the material you copied. |
| Choose One | 6. | A copyright gives the creator exclusive rights to protect their work from plagiarism. |
| Choose One | 7. | Unauthorized use refers to the rights in which creators are entitled for their work. |
| Choose One | 8. | Retail stores giving out or selling your credit card information is a violation of your information privacy rights. |
| Choose One | 9. | A person illegally copied a Disney movie and sold it to others; this is called piracy. |
| Choose One | 10. | A hacker is sometimes hired by companies to improve their security. |
| Choose One | 11. | A computer software engineer develops new software. |
| Choose One | 12. | An employee uses an organization’s computer to send a personal e-mail is an example of unauthorized use. |
| Choose One | 13. | IT Code of Conduct is the right of individuals and companies to deny or restrict the collection and use of their personal information. |
| Choose One | 14. | Office 2007 is an example of an operating system. |
| Choose One | 15. | The 4 parts of the information processing cycle are input, storage, processing and output. |
| Choose One | 16. | ROM is permanent memory that holds the computer’s instructions. |
| Choose One | 17. | Most operating systems come pre-loaded with some small application software. |
| Choose One | 18. | Once you buy a pre-configured computer system, you cannot change the internal components. |
| Choose One | 19. | Three most common types of network topologies are bus, ring and sun. |
| Choose One | 20. | One reason businesses use networks is to sell data and information. |
| Choose One | 21. | A network is a collection of computers and devices connected together. |
| Choose One | 22. | Network topologies are the design of computers, devices, and media in a network. |
| Choose One | 23. | A peer to peer network is a simple, inexpensive way to set up a network and is usually used with 10 or less computers. |
| Choose One | 24. | The internet is the world’s largest WAN. |
| Choose One | 25. | Each computer on a peer to peer network shares equal responsibilities and capabilities. |
| Choose One | 26. | A WAN covers a limited geographic area. |
| Choose One | 27. | The difference between the various networks is the area of coverage. |
| Choose One | 28. | Sharing hardware and software is a disadvantage to networking. |
| Choose One | 29. | Three types of networks are LAN, CAN and WAN. |
| Choose One | 30. | A bus network is a single central cable, to which all computers and other devices connect. |
| Choose One | 31. | A computer program is a sequence of instructions that tell the computer what to do. |
|  | **Multiple Choice** *Identify the choice that best completes the statement or answers the question.* | |
| Choose an item. | 32. | The first video game in computer history was:   |  |  |  |  | | --- | --- | --- | --- | | a. | Donkey Kong | d. | Frogger | | b. | Tennis for Two | e. | None of the above | | c. | Binary Code Challenge |  |  | |
| Choose an item. | 33. | HTML stands for:   |  |  |  |  | | --- | --- | --- | --- | | a. | Have a timely modem launch | d. | Hypertext markup language | | b. | High temperature motherboard level | e. | None of the above | | c. | Have the microchip link |  |  | |
| Choose an item. | 34. | A blog is a(n)   |  |  |  |  | | --- | --- | --- | --- | | a. | Site where you can buy used products | d. | Transistor on the motherboard | | b. | Online dictionary | e. | b and c | | c. | A website where people can voice their opinions about a topic |  |  | |
| Choose an item. | 35. | The way people violate copyrights is:   |  |  |  |  | | --- | --- | --- | --- | | a. | Burning multiple copies of video games for their friends | d. | Not citing information used in a report | | b. | Selling copies of videos | e. | All of the above | | c. | Not paying for downloading music |  |  | |
| Choose an item. | 36. | A copyright gives the creator rights to:   |  |  |  |  | | --- | --- | --- | --- | | a. | Make as many copies as needed | d. | Display their work | | b. | Sell their work | e. | All of the above | | c. | Publicly perform their work |  |  | |
| Choose an item. | 37. | Copyright violation can carry punishments like   |  |  |  |  | | --- | --- | --- | --- | | a. | Internet disconnection | d. | Computer confiscation | | b. | Jail time | e. | b and c | | c. | Large fines |  |  | |
| Choose an item. | 38. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ played a vital role in the development of the Internet and is known as the Father of the Internet.   |  |  |  |  | | --- | --- | --- | --- | | a. | Charles Babbage | d. | Vinton Gray Cerf | | b. | Ada Lovelace | e. | Grace Hopper | | c. | James T Russell |  |  | |
| Choose an item. | 39. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was credited with being the first computer programmer.   |  |  |  |  | | --- | --- | --- | --- | | a. | Charles Babbage | d. | Vinton Gray Cerf | | b. | Ada Lovelace | e. | Grace Hopper | | c. | James T Russell |  |  | |
| Choose an item. | 40. | Dennis C. Hayes invented the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in 1977 which was a computer component that is essential to computer communication.   |  |  |  |  | | --- | --- | --- | --- | | a. | DSL | d. | Bluetooth | | b. | PC Modem | e. | none of the above | | c. | Wireless Internet |  |  | |
| Choose an item. | 41. | Scott E. Fahlman invented the first \_\_\_\_\_\_\_\_\_\_\_\_ to help people communicate on message boards.   |  |  |  |  | | --- | --- | --- | --- | | a. | text language | d. | code | | b. | shorthand | e. | message board language | | c. | smiley emoticon |  |  | |
| Choose an item. | 42. | A student buys a copy of Office 2007 from Best Buy. Instead of making their friend buy it as well, they burn a copy for them and give them the access code.. What is this an example of?   |  |  |  |  | | --- | --- | --- | --- | | a. | Intellectual Property Rights | d. | Hacking | | b. | Licensing | e. | None of the above | | c. | Software Theft |  |  | |
| Choose an item. | 43. | You can protect yourself from unauthorized access on your computer by doing which of the following:   |  |  |  |  | | --- | --- | --- | --- | | a. | using a firewall | d. | disable file and print sharing | | b. | using intrusion protection software | e. | all of the above | | c. | creating strong passwords |  |  | |
| Choose an item. | 44. | Jimmy was checking his email when he read one from EBay. The email asked him to verify his username and password or his account would be inactive. Should he do this? Why?   |  |  |  |  | | --- | --- | --- | --- | | a. | Yes, because he does not want his account to be inactive | c. | No, because EBay will never ask him to do this on email, this is called phishing | | b. | Yes, because he trusts EBay | d. | Maybe, it depends | |
| Choose an item. | 45. | An urban legend debunking website which posts information to validate or invalidate stories being spread primarily through email and the Internet is \_\_\_\_\_\_\_\_\_.com   |  |  |  |  | | --- | --- | --- | --- | | a. | debunk | d. | Google | | b. | nosey | e. | yahoo | | c. | Snopes |  |  | |
| Choose an item. | 46. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the illegal use of someone else’s personal information in order to obtain money or credit.   |  |  |  |  | | --- | --- | --- | --- | | a. | Stealing | c. | Personal theft | | b. | Identity theft | d. | Robbery | |
| Choose an item. | 47. | Which of the following is NOT a career in the computing field?   |  |  |  |  | | --- | --- | --- | --- | | a. | Video Game Tester | c. | Florist | | b. | Page Layout Worker | d. | Programmer | |
| Choose an item. | 48. | A career in computer science that involves helping fix software and hardware issues is:   |  |  |  |  | | --- | --- | --- | --- | | a. | Computer hardware engineer | c. | Webmaster | | b. | Database engineer | d. | Computer Support Specialist | |
| Choose an item. | 49. | According to Snopes, urban legends consists of:   |  |  |  |  | | --- | --- | --- | --- | | a. | misinformation | d. | gossip | | b. | old wives’ tales | e. | all of the above | | c. | Rumors |  |  | |
| Choose an item. | 50. | What can you not do from the snopes.com website?   |  |  |  |  | | --- | --- | --- | --- | | a. | Read the truth about fully researched stories | c. | Copy and Paste the information and send it to your friend | | b. | Find out if something is true or not | d. | Send the hyperlink directly through email | |
| Choose an item. | 51. | \_\_\_\_\_\_\_\_\_is (are) the physical parts of your computer that you can touch.   |  |  |  |  | | --- | --- | --- | --- | | a. | Hardware | c. | Applications | | b. | Software | d. | Components | |
| Choose an item. | 52. | RAM stands for \_\_\_\_\_\_\_\_\_\_\_ and is a temporary storage place.   |  |  |  |  | | --- | --- | --- | --- | | a. | Really Awesome Mouse | c. | Read Able Memory | | b. | Random Access Memory | d. | Risk Application Moment | |
| Choose an item. | 53. | A software \_\_\_\_\_\_\_\_\_ is a collection of application software sold as a single package.   |  |  |  |  | | --- | --- | --- | --- | | a. | Suite | c. | Deal | | b. | Box | d. | Group | |
| Choose an item. | 54. | Which form of measurement is the largest?   |  |  |  |  | | --- | --- | --- | --- | | a. | kilobyte | c. | gigabyte | | b. | byte | d. | Megabyte | |
| Choose an item. | 55. | Which has the largest storage capacity?   |  |  |  |  | | --- | --- | --- | --- | | a. | CD ROM (drive) | c. | floppy disk | | b. | DVD ROM (drive) | d. | hard disk (drive) | |
| Choose an item. | 56. | Which of the following is a visual object on the stage that is like an actor?   |  |  |  |  | | --- | --- | --- | --- | | a. | script | c. | graphic | | b. | sprite | d. | Person | |
| Choose an item. | 57. | The \_\_\_\_\_\_\_\_\_\_\_\_ tells the sprites what to do.   |  |  |  |  | | --- | --- | --- | --- | | a. | actors | c. | scripts | | b. | instructions | d. | Directions | |
| Choose an item. | 58. | By programming the witch to move by using the arrow keys is an example of:   |  |  |  |  | | --- | --- | --- | --- | | a. | sequential execution | c. | parallel execution | | b. | event handling | d. | Loop | |
| Choose an item. | 59. | When one block is executed after another block in order from top to bottom, this is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (See picture).  mc059-1.jpg   |  |  |  |  | | --- | --- | --- | --- | | a. | parallel execution | c. | event handling | | b. | sequential execution | d. | Forever | |
| Choose an item. | 60. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when two things happen at one time.   |  |  |  |  | | --- | --- | --- | --- | | a. | parallel execution | c. | loop | | b. | sequential execution | d. | Conditional | |
| Choose an item. | 61. | The forever statement in the picture is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  mc061-1.jpg   |  |  |  |  | | --- | --- | --- | --- | | a. | parallel execution | c. | loop | | b. | sequential execution | d. | Conditional | |
| Choose an item. | 62. | If you want to track something and want the value to change, you create a \_\_\_\_\_\_\_\_\_\_\_\_\_\_. (See picture for example)mc062-1.jpg   |  |  |  |  | | --- | --- | --- | --- | | a. | loop | c. | variable | | b. | conditional | d. | Operator | |
| Choose an item. | 63. | You may go to the movies tonight if you clean your room. This is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. See picture for example in Scratch programming.   mc063-1.jpg   |  |  |  |  | | --- | --- | --- | --- | | a. | loop | c. | parallel execution | | b. | conditional | d. | event handling | |
| Choose an item. | 64. | The \_\_\_\_\_\_\_\_\_ is an internal network that uses Internet technologies to make company information accessible to employees.   |  |  |  |  | | --- | --- | --- | --- | | a. | internet | c. | dial-up | | b. | intranet | d. | Router | |
| Choose an item. | 65. | What did the Labrat video refer to as “old school” internet connection?   |  |  |  |  | | --- | --- | --- | --- | | a. | DSL | c. | wireless | | b. | broadband | d. | dial-up | |
| Choose an item. | 66. | A LAN (local area network) covers a \_\_\_\_\_\_\_\_\_\_\_\_\_ geographical area.   |  |  |  |  | | --- | --- | --- | --- | | a. | large | c. | unlimited | | b. | limited | d. | none of the above | |
| Choose an item. | 67. | The difference between the various networks is the \_\_\_\_\_\_\_\_\_\_\_ of the coverage.   |  |  |  |  | | --- | --- | --- | --- | | a. | percent | c. | dependability | | b. | ease | d. | Area | |
| Choose an item. | 68. | What type of router did the video recommend using when setting up a basic network?   |  |  |  |  | | --- | --- | --- | --- | | a. | proxy | c. | wired | | b. | wireless | d. | dial-up | |
| Choose an item. | 69. | Which is **not** a category of network architecture?   |  |  |  |  | | --- | --- | --- | --- | | a. | client/server | c. | peer to peer | | b. | local area network | d. | none of the above are architectures | |
| Choose an item. | 70. | When setting up a basic network the first thing you need is:   |  |  |  |  | | --- | --- | --- | --- | | a. | internet connection | c. | cable tv | | b. | intranet connection | d. | directions | |
| Choose an item. | 71. | A \_\_\_\_\_\_ network is where a cable forms a closed loop with all computers and devices arranged in a circle.   |  |  |  |  | | --- | --- | --- | --- | | a. | bus | c. | ring | | b. | star | d. | Diamond | |
| Choose an item. | 72. | The reasons businesses use networks:   |  |  |  |  | | --- | --- | --- | --- | | a. | facilitate communication | c. | share data and information | | b. | share hardware and software | d. | all of the above | |
| Choose an item. | 73. | Which is not an example of physical transmission media for networking?   |  |  |  |  | | --- | --- | --- | --- | | a. | twisted cable | c. | broadcast radio | | b. | coaxial cable | d. | fiber optics cable | |
| Choose an item. | 74. | The best type of internet connection to use when setting up a basic network is:   |  |  |  |  | | --- | --- | --- | --- | | a. | dial-up | c. | broadband | | b. | router | d. | Proxy | |
| Choose an item. | 75. | Which of these networks transmits data the quickest?   |  |  |  |  | | --- | --- | --- | --- | | a. | bus | c. | ring | | b. | star | d. | Diamond | |
| Choose an item. | 76. | A \_\_\_\_\_\_ network is where all of the computers and devices on the network connect to a central device.   |  |  |  |  | | --- | --- | --- | --- | | a. | bus | c. | ring | | b. | star | d. | Diamond | |
| Choose an item. | 77. | A \_\_\_\_\_\_ network is a single central cable, to which all computers and other devices connect.   |  |  |  |  | | --- | --- | --- | --- | | a. | bus | c. | ring | | b. | star | d. | Diamond | |
| Choose an item. | 78. | A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a network that connects computers and devices in a limited geographical area such as a home, school computer laboratory, office building, or closely positioned group of buildings.   |  |  |  |  | | --- | --- | --- | --- | | a. | server | c. | WAN | | b. | LAN | d. | Broadband | |
| Choose an item. | 79. | A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a network that covers a large geographic area (such as a city, country, or the world) using a communications channel that combines many types of media such as telephone lines, cables, and radio waves.   |  |  |  |  | | --- | --- | --- | --- | | a. | LAN | c. | WAN | | b. | DSL | d. | Bandwidth | |
| Choose an item. | 80. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are small pieces into which messages are divided by TCP/IP   |  |  |  |  | | --- | --- | --- | --- | | a. | Servers | c. | Bits | | b. | Packets | d. | Bytes | |
| Choose an item. | 81. | Computer that controls access to the hardware, software, and other resources on a network and provides a centralized storage area for programs, data, and information. It is also know as a host computer.   |  |  |  |  | | --- | --- | --- | --- | | a. | Server | c. | Home computer | | b. | Main computer | d. | Intranet | |
| Choose an item. | 82. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ refers to programs designed to make users more productive and/or a system with personal tasks   |  |  |  |  | | --- | --- | --- | --- | | a. | ClipArt | c. | Plug and Play | | b. | Desktop | d. | Application Software | |
| Choose an item. | 83. | The \_\_\_\_\_\_\_\_\_\_\_\_\_ is an on-screen work area that has a graphical user interface   |  |  |  |  | | --- | --- | --- | --- | | a. | desktop | c. | monitor | | b. | application software | d. | screen | |
|  | **Matching** | |
| Choose an item. |  | Match the following items with their category in the information processing cycle:   |  |  |  |  | | --- | --- | --- | --- | | a. | Input | c. | Storage | | b. | Processing | d. | Output | |
| Choose an item. | 84. | Keyboard |
| Choose an item. | 85. | Speakers |
| Choose an item. | 86. | mp3 |
| Choose an item. | 87. | Floppy Disk |