

## Exam Final Study Guide

Name \_\_\_\_\_

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 1) Studies have shown that users of MP3 players may experience hearing damage due to excessive volume from ear buds. 1) \_\_\_\_\_
- 2) Some keyboards include multimedia key and Internet keys. 2) \_\_\_\_\_
- 3) The Internet and the World Wide Web are the same thing. 3) \_\_\_\_\_
- 4) The Internet is referred to as a client/server network. 4) \_\_\_\_\_
- 5) Voice over Internet (VoIP) enables you to use the Internet for phone calls. 5) \_\_\_\_\_
- 6) Presentation software such as PowerPoint is used to create general documents. 6) \_\_\_\_\_
- 7) PhotoStudio is an example of an image-editing software program. 7) \_\_\_\_\_
- 8) You can legally download versions of Windows XP off of the Internet for free. 8) \_\_\_\_\_
- 9) When there is not enough RAM installed in your system, the system becomes memory bound. 9) \_\_\_\_\_
- 10) A Blu-ray disc holds more data than a DVD. 10) \_\_\_\_\_
- 11) A sound card is attached to the inside of your computer's speaker. 11) \_\_\_\_\_
- 12) Repeaters can extend a network's range by amplifying the signal. 12) \_\_\_\_\_
- 13) Ethernet networks are always connected using twisted-pair cable technology. 13) \_\_\_\_\_
- 14) The Internet is an example of a client/server network. 14) \_\_\_\_\_
- 15) Most computers today come already equipped with Ethernet adapters installed. 15) \_\_\_\_\_
- 16) Laptop computers are also known as tablet computers. 16) \_\_\_\_\_
- 17) Another name for a local bus is back side bus. 17) \_\_\_\_\_
- 18) HTML/XHTML is the only way to write code for the Web. 18) \_\_\_\_\_
- 19) All fields in a database are of the textual (character) type. 19) \_\_\_\_\_
- 20) Ranchers use VeriChips to track their cattle. 20) \_\_\_\_\_
- 21) Biomedical chip implants are being used to provide sight to the blind. 21) \_\_\_\_\_

- 22) Affecting computing is a science that attempts to produce machines that understand and can respond to human emotion. 22) \_\_\_\_\_
- 23) There are two types of CRT monitors on the market: passive-matrix displays and active-matrix displays. 23) \_\_\_\_\_
- 24) Speed, resolution, color output, and memory are factors to be considered when selecting a monitor. 24) \_\_\_\_\_
- 25) A cable Internet connection is a shared connection that can experience periodic decreases in connection speed during peak usage times. 25) \_\_\_\_\_
- 26) DSL Internet connection is faster than a satellite Internet connection. 26) \_\_\_\_\_
- 27) Desktop publishing software allows you to create brochures and fliers. 27) \_\_\_\_\_
- 28) Cell phones use a single-user, multitask category of operating system. 28) \_\_\_\_\_
- 29) You can choose a Windows or Mac desktop display when you use the Linux operating system. 29) \_\_\_\_\_
- 30) When your computer runs out of RAM, the operating system borrows space from the CPU. 30) \_\_\_\_\_
- 31) The main distinction between a desktop and a notebook is Internet connectivity. 31) \_\_\_\_\_
- 32) An evaluation of your computer's storage subsystem would evaluate your computer's video card. 32) \_\_\_\_\_
- 33) It is impossible to configure a client/server network for home use. 33) \_\_\_\_\_
- 34) Cell phones do not require special service providers to connect to the Internet. 34) \_\_\_\_\_
- 35) PDAs store application programs and data in ROM. 35) \_\_\_\_\_
- 36) AMD and Intel are makers of processors. 36) \_\_\_\_\_
- 37) RAM is volatile, or temporary, memory. 37) \_\_\_\_\_
- 38) BASIC, C, and Java are examples of third-generation languages (3GL). 38) \_\_\_\_\_
- 39) Data warehousing is the process by which great amounts of data are analyzed and investigated with the purpose of spotting significant patterns or trends. 39) \_\_\_\_\_
- 40) Precautions must be taken to guarantee that information entered into a database is of a useful format. 40) \_\_\_\_\_
- 41) APIs create redundancies in software code. 41) \_\_\_\_\_
- 42) Currently, there is no productivity software available for mobile devices. 42) \_\_\_\_\_

- 43) In the ASCII code, the letter "A" and the letter "a" have the same value. 43) \_\_\_\_\_
- 44) In bus width, the wider the bus is, the slower the data is sent. A more narrow bus streamlines the data. 44) \_\_\_\_\_
- 45) A completeness check is performed to confirm that all records in the database are present. 45) \_\_\_\_\_

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 46) Which of the following is NOT necessarily part of being computer literate? 46) \_\_\_\_\_  
A) Using the Internet wisely B) Being able to build a computer  
C) Avoiding hackers and viruses D) Protecting your privacy
- 47) All the following are examples of input devices EXCEPT a: 47) \_\_\_\_\_  
A) keyboard. B) mouse. C) printer. D) scanner.
- 48) Any computer parts that you can actually touch are considered to be: 48) \_\_\_\_\_  
A) platforms. B) hardware. C) systems. D) software.
- 49) Devices such as monitors and printers that are connected to the computer are called: 49) \_\_\_\_\_  
A) peripheral devices. B) system devices.  
C) input devices. D) processing devices.
- 50) \_\_\_\_\_ is data that has been organized or presented in a meaningful fashion. 50) \_\_\_\_\_  
A) A number B) Information C) A symbol D) A character
- 51) The text-version of an Internet address of a Web site is called the: 51) \_\_\_\_\_  
A) protocol. B) home page.  
C) Uniform Resource Locator (URL). D) IP address.
- 52) Instant messaging (IM) services are programs that enable you to: 52) \_\_\_\_\_  
A) broadcast over the Internet using compressed audio files such as MP3s.  
B) communicate with friends by videoconference.  
C) post journal entries on the Web.  
D) communicate with friends in real time.
- 53) An Internet site that anyone can change is called a: 53) \_\_\_\_\_  
A) wiki. B) podcast. C) multiuser site. D) weblog.
- 54) Illegally copying an application onto another computer is called: 54) \_\_\_\_\_  
A) phishing. B) file sharing.  
C) software piracy. D) hacking.
- 55) GPS software allows users to: 55) \_\_\_\_\_  
A) guide satellites.  
B) use PDAs to access e-mail.  
C) fine-tune an Internet connection.  
D) locate restaurants, airports, and points of interest.

- 56) Which type of software stores client information in one central database for use by sales professionals? 56) \_\_\_\_\_  
A) Enterprise resource planning software  
B) Business accounting software  
C) Customer relationship management software  
D) Project management software
- 57) Microsoft Word and Corel WordPerfect are examples of: 57) \_\_\_\_\_  
A) system software. B) graphic software.  
C) word-processing software. D) utility software.
- 58) In Windows Vista, the pane on the right side of the desktop that organizes gadgets is called the: 58) \_\_\_\_\_  
A) Task pane. B) Window. C) Ribbon. D) Sidebar.
- 59) You can use the Windows \_\_\_\_\_ to make a duplicate copy of the data on your hard drive. 59) \_\_\_\_\_  
A) Task Manager B) Backup utility  
C) Windows Explorer D) System Restore
- 60) All of the following are functions of the operating system EXCEPT: 60) \_\_\_\_\_  
A) It provides a way for software applications to work with the CPU.  
B) It provides a user interface.  
C) It manages the processor.  
D) It manages the removal of spyware.
- 61) Which of the following is a file compression utility? 61) \_\_\_\_\_  
A) Disk Cleanup B) WinZip  
C) FAT D) Windows Explorer
- 62) Because the operating system coordinates the flow of information, your textbook describes the OS as a: 62) \_\_\_\_\_  
A) secretary. B) janitor. C) traffic cop. D) maid.
- 63) The CPU is connected to the system memory by the: 63) \_\_\_\_\_  
A) front side bus. B) expansion card. C) cache memory. D) expansion hub.
- 64) Which of the following activities is carried out by the ALU? 64) \_\_\_\_\_  
A) Completion of all arithmetic calculations  
B) Creation of virtual memory  
C) Movement of read/write heads  
D) Coordination of all other computer components
- 65) A network that has ten or more nodes is usually configured as a: 65) \_\_\_\_\_  
A) home network. B) client/server network.  
C) LAN. D) peer-to-peer network.
- 66) Which of the following is formally defined as any criminal action perpetrated primarily through the use of a computer? 66) \_\_\_\_\_  
A) Social networking B) Hacking  
C) Phishing D) Cybercrime

- 67) Which of the following gives a system performance summary for a PDA, thus making it a valuable tool in comparisons? 67) \_\_\_\_\_  
 A) Benchmarking B) Device marking  
 C) Summarizing D) Work-studying
- 68) Which of the following allows you to connect a monitor, printer, etc. to a notebook computer via one connection as opposed to connecting individual devices? 68) \_\_\_\_\_  
 A) An all-in-one B) A connector station  
 C) A docking station D) A connect-all
- 69) The least expensive and most simplistic type of RAM is: 69) \_\_\_\_\_  
 A) DDR2 RAM. B) GDDR-4. C) DDR SRAM. D) DRAM.
- 70) The CPU is considered to be the \_\_\_\_\_ of the computer. 70) \_\_\_\_\_  
 A) liver B) brains C) heart D) lungs
- 71) It takes \_\_\_\_\_ bits to make a byte. 71) \_\_\_\_\_  
 A) 32 B) 8 C) 24 D) 16
- 72) \_\_\_\_\_ is the set of memory chips located on the motherboard that store data and instructions that cannot be changed or erased. 72) \_\_\_\_\_  
 A) Level 1 cache B) Level 2 cache C) Dynamic RAM D) ROM
- 73) Translating an algorithm into a programming language is called: 73) \_\_\_\_\_  
 A) coding. B) compiling. C) executing. D) interpreting.
- 74) When a programmer breaks down a problem into a series of high-level tasks and continues to break each task into successively more detailed subtasks, this method of algorithm creation is called: 74) \_\_\_\_\_  
 A) object-oriented analysis. B) bottom-up design.  
 C) top-down design. D) coding design.
- 75) In a database, \_\_\_\_\_ fields store numbers used to perform calculations. 75) \_\_\_\_\_  
 A) alphanumeric B) key C) next D) numeric
- 76) What does the acronym DBMS stand for? 76) \_\_\_\_\_  
 A) Database management system B) Database modeling system  
 C) Data browsing and management system D) Data building and modeling system
- 77) A \_\_\_\_\_ is a small device that is used to enhance museum tours for visitors. 77) \_\_\_\_\_  
 A) PDA B) PPS C) POS D) GPS
- 78) \_\_\_\_\_ tags, when placed on an animal, can be used to record and track in a database all of the animal's movements. 78) \_\_\_\_\_  
 A) RFID B) GPS C) PPS D) POS

- 79) Which of the following do today's educators NOT need to be familiar with to create constructive computerized lessons and to interact with students? 79) \_\_\_\_\_  
A) Computers B) The Internet  
C) Web authoring software D) Programs like WebCT
- 80) \_\_\_\_\_ is a type of wireless communication used by UPS to transmit scanned data through radio waves to a terminal. 80) \_\_\_\_\_  
A) Bluetooth technology B) POS technology  
C) RFID technology D) Mu technology
- 81) Technology no longer protected by copyright, available to everyone, is considered to be: 81) \_\_\_\_\_  
A) experimental. B) proprietary.  
C) in the public domain. D) open.
- 82) \_\_\_\_\_ is the nerve center of any digital home, allowing you to interface with all the different digital devices you have connected to the network. 82) \_\_\_\_\_  
A) The Internet B) A server C) A computer D) A modem
- 83) \_\_\_\_\_ translates a patient's thoughts into commands to a robotic limb. 83) \_\_\_\_\_  
A) BrainGate software B) Animation software  
C) Robotic imaging D) A patient simulator
- 84) RAM is considered volatile storage, which means it is: 84) \_\_\_\_\_  
A) read-only. B) random. C) permanent. D) temporary.
- 85) Computers process data into information by working exclusively with: 85) \_\_\_\_\_  
A) multimedia. B) words. C) numbers. D) characters.
- 86) In binary language, each letter of the alphabet, each number, and each special character is made up of a unique combination of: 86) \_\_\_\_\_  
A) eight kilobytes. B) eight bytes.  
C) eight characters. D) eight bits.
- 87) Flash drives plug into a(n): 87) \_\_\_\_\_  
A) drive bay. B) expansion slot. C) USB port. D) serial port.
- 88) USB ports are fast replacing traditional \_\_\_\_\_ and \_\_\_\_\_ ports because of their ability to transfer data quickly. 88) \_\_\_\_\_  
A) Ethernet, speaker B) monitor, modem  
C) parallel, serial D) video, audio
- 89) Inkjet printers and laser printers are examples of \_\_\_\_\_ printers. 89) \_\_\_\_\_  
A) nonimpact B) dot-matrix C) impact D) thermal
- 90) The World Wide Web was invented by: 90) \_\_\_\_\_  
A) Apple.  
B) Tim Berners-Lee at CERN.  
C) the same people who invented the Internet.  
D) Microsoft.

- 91) The name of the free Internet browser from Mozilla is: 91) \_\_\_\_\_  
A) Safari. B) Opera. C) IE. D) Firefox.
- 92) In the URL <http://www.prenhall.com>, the portion labeled http is the: 92) \_\_\_\_\_  
A) protocol. B) domain name.  
C) host. D) top-level domain.
- 93) The Internet2 is a project: 93) \_\_\_\_\_  
A) to improve podcasts. B) to protect Internet users.  
C) to develop new Internet technologies. D) to expand URLs.
- 94) Which of the following is more likely to be a popular choice for broadband Internet connection in a rural area? 94) \_\_\_\_\_  
A) Dial-up B) Cable C) DSL D) Satellite
- 95) All of the following use Web-based e-mail clients, meaning you can access the e-mail account from any computer, EXCEPT: 95) \_\_\_\_\_  
A) AOL. B) Yahoo!.  
C) Gmail. D) Microsoft Outlook.
- 96) Small text files that can be automatically stored on your computer when you visit an Internet site are called: 96) \_\_\_\_\_  
A) hyperlinks. B) filters. C) drivers. D) cookies.
- 97) Macromedia Dreamweaver is an example of: 97) \_\_\_\_\_  
A) Web page authoring software. B) desktop publishing software.  
C) educational software. D) business accounting software.
- 98) In a database, a table is a collection of related: 98) \_\_\_\_\_  
A) records. B) files. C) data. D) worksheets.
- 99) QuickBooks and Peachtree are examples of: 99) \_\_\_\_\_  
A) business accounting software. B) course management software.  
C) educational software. D) gaming software.
- 100) QuarkXPress and Adobe InDesign are examples of \_\_\_\_\_ software. 100) \_\_\_\_\_  
A) desktop publishing B) image-editing  
C) video-editing D) word processing
- 101) Software that runs the computer and coordinates instructions is called: 101) \_\_\_\_\_  
A) system software. B) utility software.  
C) device software. D) application software.
- 102) The organization responsible for rating computer games is the: 102) \_\_\_\_\_  
A) Motion Picture Rating Board. B) Entertainment Game Rating Board.  
C) U.S. Gaming Commission. D) Entertainment Software Rating Board.

- 103) Which type of software is used to keep track of appointments, to-do lists, and telephone numbers? 103) \_\_\_\_\_  
A) database software B) word-processing software  
C) PIM software D) presentation software
- 104) Custom software, developed to address the needs of a company, is known as \_\_\_\_\_ software. 104) \_\_\_\_\_  
A) privately owned B) copyrighted  
C) developmental D) proprietary
- 105) Which of the following statements is FALSE: 105) \_\_\_\_\_  
A) Icons represent an object such as a software application, file, or folder.  
B) A GUI uses windows, which are rectangular boxes displayed on the screen.  
C) A GUI uses menus, which are lists of commands that appear on the screen.  
D) A GUI is a command-driven interface.
- 106) In Windows, a file path starts with a: 106) \_\_\_\_\_  
A) file name. B) drive. C) folder. D) backslash.
- 107) All of the following are part of the boot process EXCEPT: 107) \_\_\_\_\_  
A) RAM. B) BIOS. C) ROM. D) USB.
- 108) Which of the following is a Microsoft Access document? 108) \_\_\_\_\_  
A) Inventory.bmp B) Inventory.wpd C) Inventory.mdb D) Inventory.xls
- 109) The most common port on new computers today is the \_\_\_\_\_ port. 109) \_\_\_\_\_  
A) USB B) MIDI C) serial D) parallel
- 110) All of the following can be connected to your computer through a port EXCEPT: 110) \_\_\_\_\_  
A) an external hard drive. B) RAM.  
C) a printer. D) a scanner.
- 111) Access time is measured in: 111) \_\_\_\_\_  
A) kilobytes. B) bps. C) Hertz. D) milliseconds.
- 112) Which of the following statements is TRUE about the USB port? 112) \_\_\_\_\_  
A) It is commonly used to connect digital video devices to the computer.  
B) It is fast becoming the most common port on computers today.  
C) It is used to connect your computer to a local network.  
D) It allows the transfer of data, one bit at a time, over a single wire.
- 113) Running the Disk Cleanup utility is a quick way to: 113) \_\_\_\_\_  
A) remove spyware programs. B) clear out unnecessary files.  
C) clean out your Startup folder. D) defrag your hard drive.
- 114) CPU speed is measured in: 114) \_\_\_\_\_  
A) megabytes. B) nanoseconds.  
C) bits per second (bps). D) Hertz.



- 115) Megahertz and gigahertz are both measures of: 115) \_\_\_\_\_  
A) RAM capacity. B) data transfer rate.  
C) processor speed. D) cache memory.
- 116) The Ethernet port is used to connect a computer to: 116) \_\_\_\_\_  
A) digital video devices. B) printers only.  
C) a local network. D) mice and keyboards.
- 117) Kernel memory is: 117) \_\_\_\_\_  
A) permanent memory.  
B) RAM memory that the operating system uses.  
C) the amount of memory in the memory modules.  
D) faster than RAM.
- 118) A MIDI port allows you to connect: 118) \_\_\_\_\_  
A) scanners. B) digital cameras.  
C) notebooks. D) electronic musical instruments.
- 119) Client/server networks are controlled by a central server that runs a specialized piece of software called: 119) \_\_\_\_\_  
A) Netware. B) a firewall.  
C) Windows Vista. D) a network operating system (NOS).
- 120) If you frequently transfer large data files between nodes on a network, which of the following networks would be the best choice? 120) \_\_\_\_\_  
A) Dial-up B) Wireless C) Ethernet D) Powerline
- 121) A computer network is defined as two or more computers connected via \_\_\_\_\_ so that they can communicate with each other. 121) \_\_\_\_\_  
A) software B) the Internet  
C) hardware D) software and hardware
- 122) To improve communication effectiveness in a wireless network, you can do all of the following EXCEPT: 122) \_\_\_\_\_  
A) Move your computer next to a cement wall.  
B) Add a wireless access point (WAP) to the network.  
C) Move the computers in the network closer together.  
D) Reposition the computer you are using.
- 123) A \_\_\_\_\_ allows sharing of a broadband Internet connection. 123) \_\_\_\_\_  
A) HPNA adapter B) hub C) router D) phone cord
- 124) GPS refers to: 124) \_\_\_\_\_  
A) goals performance system. B) global positioning system.  
C) ground position system. D) global parts system.
- 125) Which of the following is the process of sharing files between two or more computers? 125) \_\_\_\_\_  
A) Computer-to-computer (C2C) sharing B) Direct sharing (DS)  
C) Peer-to-peer (P2P) sharing D) Person-to-person (P2P) sharing

- 126) Symbian is: 126) \_\_\_\_\_  
A) a form of anti-virus software. B) a type of application software.  
C) a utility program for PDAs. D) an operating system for cell phones.
- 127) The operating system of a cell phone is stored in: 127) \_\_\_\_\_  
A) ROM. B) RAM. C) the transceiver. D) the CPU.
- 128) Your cell phone call may be disconnected, or dropped, if: 128) \_\_\_\_\_  
A) the distance between the two phones is too great.  
B) the distance between the two phones is too small.  
C) the distance between the base stations is too small.  
D) the distance between the base stations is too large.
- 129) Hot-swappable refers to: 129) \_\_\_\_\_  
A) temperature-sensitive hard drives.  
B) a bay that can exchange one drive with another without having to turn off the PC.  
C) hard drives that must be cooled off before plugging in a new device.  
D) hard drives that must be powered off before plugging in a new device.
- 130) The hexadecimal number system uses the numbers: 130) \_\_\_\_\_  
A) 0 through 15. B) 1 through 10.  
C) 0 through 9 and letters A-F. D) 0 through 9.
- 131) The amount of bits that a bus can carry at one time is referred to as bus: 131) \_\_\_\_\_  
A) measurement. B) width. C) depth. D) height.
- 132) The loop decision point consists of three features: an initial value, a set of actions to be performed, and a(n): 132) \_\_\_\_\_  
A) operator. B) class. C) testing plan. D) test condition.
- 133) During which phase of the system development life cycle does the actual programming occur? 133) \_\_\_\_\_  
A) Development and Documentation B) Testing and Installation  
C) Design D) Analysis
- 134) Most modern operating systems have been written in: 134) \_\_\_\_\_  
A) Java. B) C. C) HTML. D) Visual Basic.
- 135) Which of the following is NOT defined in the data dictionary? 135) \_\_\_\_\_  
A) Data type B) Field name C) Field size D) Primary key
- 136) Which of the following is an example of structured data? 136) \_\_\_\_\_  
A) Video clips B) Text C) Audio clips D) Pictures
- 137) Game programming requires an in-depth knowledge of: 137) \_\_\_\_\_  
A) HTML. B) software animation tools.  
C) the Internet. D) Pascal.
- 138) When a job is sent to other countries, as many programming jobs have been, it is said to have been: 138) \_\_\_\_\_  
A) exported. B) resourced. C) offshored. D) imported.

- 139) The difference between people with access to computers and the Internet and those without this access is known as the: 139) \_\_\_\_\_  
A) Internet divide. B) digital divide.  
C) Web divide. D) broadband divide.
- 140) By studying the data produced by \_\_\_\_\_, scientists hope to improve the prediction of weather phenomena. 140) \_\_\_\_\_  
A) simulations B) PSSs C) GPSs D) VeriChips
- 141) Search engines have three parts: 141) \_\_\_\_\_  
A) a formulator, an algorithm, and search engine software.  
B) a spider, an indexer, and search engine software.  
C) a webcrawler, an algorithm, and search engine software.  
D) a spider, a webcrawler, and search engine software.
- 142) All of the following are indications that a Web site is secure EXCEPT: 142) \_\_\_\_\_  
A) the VeriSign seal on the status bar.  
B) the appearance of a plug-in icon on the status bar.  
C) https://.  
D) a closed padlock icon on the status bar.
- 143) Which of the following can help narrow your search results when using a search engine? 143) \_\_\_\_\_  
A) Use single word searches. B) Use the Boolean term OR.  
C) Use the % wildcard. D) Use the Boolean term AND.
- 144) Which is the first step in the boot process? 144) \_\_\_\_\_  
A) Configuration and customization settings are checked.  
B) BIOS is activated by powering on the CPU.  
C) The OS is loaded into RAM.  
D) BIOS checks that all devices are in place.
- 145) Moore's law is a mathematical rule that predicts: 145) \_\_\_\_\_  
A) the pace at which CPUs improve. B) the speed of the front side bus.  
C) the access time of the read/write head. D) the data transfer rate for a hard drive.
- 146) Network architectures are classified according to: 146) \_\_\_\_\_  
A) the bandwidth supplied by the connection.  
B) the speed at which the processor runs.  
C) the distance between the hub and the router.  
D) the way in which they are controlled and the distance between their nodes.
- 147) When setting up a network, you should set up any computers running the Microsoft Vista operating system: 147) \_\_\_\_\_  
A) last.  
B) first.  
C) only before any computers running Linux.  
D) The order does not matter.

- 148) Network adapters: 148) \_\_\_\_\_
- A) enable nodes in a network to communicate with each other.
  - B) are built into the motherboard on each node.
  - C) are only necessary on servers in a client/server network.
  - D) are always Ethernet NICs.
- 149) Which of the following allows you to carry media files? 149) \_\_\_\_\_
- A) A POM
  - B) A PMP
  - C) A PIM
  - D) A PDQ
- 150) A system clock is built into the: 150) \_\_\_\_\_
- A) expansion card.
  - B) hard drive.
  - C) motherboard.
  - D) bus.