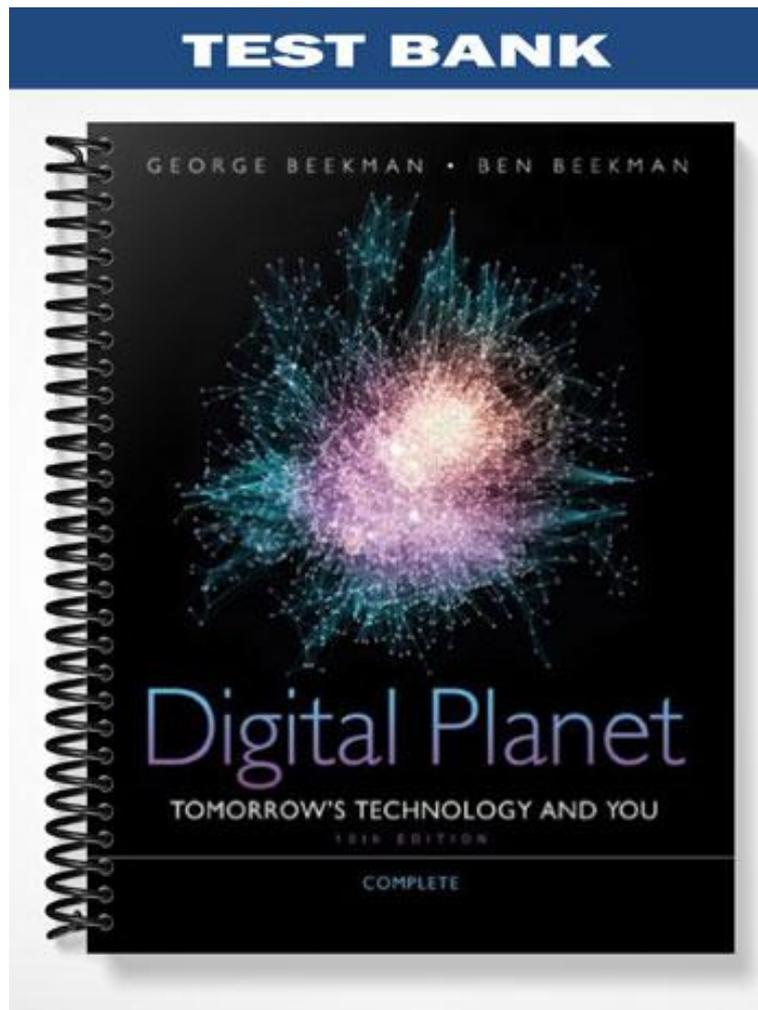


**TEST BANK**



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

- 1) Processing information involves \_\_\_\_\_ 1) \_\_\_\_\_  
A) All of these answers are forms of processing information.  
B) performing arithmetic or logical operations on information that is input.  
C) communication with another computer.  
D) accepting information from the outside world.
- 2) Producing output involves \_\_\_\_\_ 2) \_\_\_\_\_  
A) communicating information to the outside world.  
B) moving and storing information.  
C) accepting information from the outside world.  
D) communication with another computer.
- 3) Hardware components are \_\_\_\_\_ 3) \_\_\_\_\_  
A) impossible to add on after the initial purchase of a computer.  
B) physical parts of a computer system.  
C) fully functional without computer software.  
D) the intangible parts of a computer system.
- 4) The most common input devices include \_\_\_\_\_ 4) \_\_\_\_\_  
A) monitors and mice. B) monitors and keyboards.  
C) mice and keyboards. D) printer and mice.
- 5) Which two factors are important to a casual computer user when you choose a computer? \_\_\_\_\_ 5) \_\_\_\_\_  
A) compatibility and performance B) monitor size and resolution  
C) compatibility and peripherals D) speed and design
- 6) What character/number does ASCII binary code 0 0 1 1 0 1 1 0 translate to? \_\_\_\_\_ 6) \_\_\_\_\_  
A) 100 B) 10 C) 6 D) 8
- 7) The primary output device for computers is a \_\_\_\_\_ 7) \_\_\_\_\_  
A) keyboard. B) printer. C) mouse. D) video monitor.
- 8) The hardware device commonly referred to as the "brain" of the computer is the \_\_\_\_\_ 8) \_\_\_\_\_  
A) CPU. B) RAM chip.  
C) printer. D) secondary storage.
- 9) CPU stands for \_\_\_\_\_ 9) \_\_\_\_\_  
A) central printing unit. B) central processing unit.  
C) computer processing unit. D) central production unit.
- 10) The CPU is also known as the \_\_\_\_\_ 10) \_\_\_\_\_  
A) microprocessor. B) microunit.  
C) primary storage. D) random access memory.
- 11) The primary difference between RAM and secondary storage devices is \_\_\_\_\_ 11) \_\_\_\_\_  
A) the type of data that is stored in them.  
B) RAM accepts input; secondary storage devices do not.  
C) RAM is permanent, and secondary storage is temporary.  
D) the length of time data is stored.

- 12) Primary storage is more commonly referred to as \_\_\_\_\_  
A) RAM                                      B) ROM.                                      C) Digital                                      D) CPU
- 13) If a user needs information instantly available to the CPU, it should be stored \_\_\_\_\_  
A) in secondary storage.                                      B) in the CPU.  
C) in RAM.                                      D) on a USB device.
- 14) Storage devices include all of the following EXCEPT: \_\_\_\_\_  
A) a hard drive.                                      B) USB device.  
C) a recordable CD/DVD.                                      D) RAM.
- 15) Input, output, and storage devices are known as \_\_\_\_\_  
A) peripherals.                                      B) firmware.  
C) hardware drivers.                                      D) secondary storage.
- 16) Information is made up of discrete, countable units called \_\_\_\_\_, so it can be subdivided. \_\_\_\_\_  
A) bytes.                                      B) input.                                      C) analog units.                                      D) digits.
- 17) The smallest unit of information a computer can understand and process is known as a \_\_\_\_\_  
A) byte.                                      B) bit.                                      C) digit.                                      D) kilobyte.
- 18) A bit can have two values: \_\_\_\_\_  
A) 0 and 1.                                      B) 1 and 2.                                      C) 2 and 4.                                      D) bit and byte.
- 19) Binary means \_\_\_\_\_  
A) there are three options; 0, 1, and 2.  
B) there are two possibilities, on and off.  
C) that computers really need to have three or more options.  
D) the same as a byte, 8 bits.
- 20) A group of 8 bits is known as a \_\_\_\_\_  
A) kilobyte.                                      B) megabit.                                      C) byte.                                      D) binary digit.
- 21) The binary system uses the power of \_\_\_\_\_  
A) 256.                                      B) 4.                                      C) 2.                                      D) 10.
- 22) A byte can represent any number between 0 and \_\_\_\_\_  
A) 1,024.                                      B) 255.                                      C) 2.                                      D) 256.
- 23) The most widely used code that represents each character as a unique 8-bit code is \_\_\_\_\_  
A) binary numbering system.                                      B) Unicode.  
C) ASCII.                                      D) EBCDIC.
- 24) ASCII stands for \_\_\_\_\_  
A) American Standard Code for Information Interface.  
B) American Standard Computer Interface Internet.  
C) Advanced Standard Code for Interface Interchange.  
D) American Standard Code for Information Interchange.
- 25) In ASCII, \_\_\_\_\_ characters can be created. \_\_\_\_\_  
A) 256                                      B) 1,024                                      C) 255                                      D) 128

- 26) An advanced coding scheme that incorporates Arabic, Chinese, Hebrew, and Japanese is known as \_\_\_\_\_  
A) Unicode. B) Worldcode.  
C) ASCII. D) World Wide Interchange (WWI).
- 27) To represent values larger than 255, processor designers combine bytes. Two bytes, with 16 bits, can represent all the numbers from 0 to \_\_\_\_\_.  
A) 256 B) 1,000,000 C) 65,535 D) 100,000
- 28) Approximately 1,000 megabytes is a \_\_\_\_\_  
A) terabyte. B) gigabyte. C) petabyte. D) kilobyte.
- 29) The term for the largest storage value is \_\_\_\_\_  
A) terabytes. B) kilobytes. C) gigabytes. D) petabytes.
- 30) You measure data transfer speed or memory size in \_\_\_\_\_  
A) megabits. B) kilobits. C) terabits. D) gigabits.
- 31) The motherboard is the \_\_\_\_\_  
A) circuit board that houses peripheral devices.  
B) circuit board that contains a CPU and other chips.  
C) the first chip that is accessed when the computer is turned on.  
D) same as the CPU chip.
- 32) Backward compatibility means that \_\_\_\_\_  
A) all software will work on all other computer systems.  
B) all hardware will work with other hardware.  
C) a Core i7 chip can handle processing previously done by a Core 2 Duo.  
D) a mouse will work with more advanced hardware that comes out after the date the mouse was produced.
- 33) Linux is a(n) \_\_\_\_\_  
A) piece of application software. B) operating system.  
C) type of CPU device. D) computer system.
- 34) The internal clock of a computer system is the \_\_\_\_\_  
A) software that shows the time on the taskbar.  
B) device that is the newest and most modern in a computer system.  
C) timing device that produces electrical pulses to synchronize the computer's operations.  
D) timing device that processes all instructions input into the computer.
- 35) A computer's clock speed is measured in \_\_\_\_\_  
A) gigabytes. B) bits. C) gigahertz. D) megahertz.
- 36) The word size of a typical PC's CPU is \_\_\_\_\_  
A) 8 or 16 bits. B) 1 or 2 bytes. C) 32 or 64 bytes. D) 32 or 64 bits.
- 37) \_\_\_\_\_ produced the first 64-bit processor. \_\_\_\_\_  
A) Pentium B) Microsoft C) Apple D) AMD
- 38) When two processors are employed in a computer, it is known as \_\_\_\_\_  
A) multi-tasking. B) double processing.

C) parallel processing.

D) twin processing.

- 39) By putting multiple CPUs on a single chip, chip makers have created \_\_\_\_\_  
A) parallel processors. B) CPU-duplicate processors.  
C) multicore processors. D) clusters.
- 40) The design that determines how individual components of the CPU are put together and work together on the chip is called the \_\_\_\_\_  
A) motherboard. B) construction. C) architecture. D) detailed plan.
- 41) The CPU's ALU contains \_\_\_\_\_  
A) secondary storage space. B) byte spaces.  
C) RAM spaces. D) registers.
- 42) The part of the CPU that instructs the bus unit to read instructions stored at a certain memory address is known as the \_\_\_\_\_  
A) prefetch unit. B) writeback. C) decode unit. D) bus device.
- 43) The Intel Core 2 processor is used in \_\_\_\_\_  
A) MP3 players B) high-end network controllers  
C) Game machines D) PCs and servers
- 44) The storage area for the next likely data or instruction to be processed, preventing bottlenecks and slowing of the system, is known as \_\_\_\_\_  
A) the CPU. B) cache. C) RAM. D) the register.
- 45) Which of the following tips help to minimize your computer's impact on the environment? \_\_\_\_\_  
A) Take advantage of energy-saving features.  
B) Avoid moving parts by saving to flash drives instead of a hard drive.  
C) Use a laptop.  
D) All of the above.
- 46) Information stored in RAM is considered volatile, which means it is \_\_\_\_\_  
A) not held permanently, only temporarily. B) stored when the electricity is shut off.  
C) stored there permanently. D) stored permanently in the CPU device.
- 47) Optical computing is sometimes called photonic computing because it uses \_\_\_\_\_ instead of electrons to transmit bits. \_\_\_\_\_  
A) light wands B) electrons  
C) superconductors D) photons
- 48) The memory that stores the computer's date, time, and calendar is the \_\_\_\_\_  
A) RAM. B) CMOS. C) flash memory. D) register.
- 49) The time for the processor to retrieve data from memory is measured in \_\_\_\_\_  
A) terabytes. B) nanoseconds. C) milliseconds. D) megabits.
- 50) RAM chips are usually grouped on small circuit boards called \_\_\_\_\_  
A) DIMMs. B) RAM boards. C) CMOS. D) ROM.
- 51) The permanently etched program that automatically begins executing the computer's instructions is stored in: \_\_\_\_\_

- A) RAM.
- C) ROM.

- B) CMOS.
- D) TRANSDUCER.

- 52) A special low-energy kind of RAM that can store small amounts of data for long periods of time on battery power is known as 52) \_\_\_\_\_  
A) CMOS. B) system clock. C) system buses. D) CPU.
- 53) Expansion cards are inserted into 53) \_\_\_\_\_  
A) slots inside the computer's housing. B) the back of the computer.  
C) peripheral devices. D) the CPU.
- 54) External devices such as printers and keyboards are known as 54) \_\_\_\_\_  
A) extra hardware devices. B) PC expansion slot add-ons.  
C) add-on devices. D) peripherals.
- 55) Which of the following is NOT an output device? 55) \_\_\_\_\_  
A) speakers B) printer C) monitor D) trackball
- 56) The four basic computer functions are 56) \_\_\_\_\_  
A) receive input, process information, produce output, and store information.  
B) receive the kernel, process information, produce output, and store CMOS.  
C) receive input, process information, produce terabytes, and store information.  
D) gather data, access memory, print, and store information.
- 57) The following are considered basic components of a computer: 57) \_\_\_\_\_  
A) input devices, output devices, processors, memory, and storage devices.  
B) analog and digital signals.  
C) bits and bytes.  
D) motherboard, circuits, ports.
- 58) Given that the presence of an electrical charge is a positive and the absence of an electrical charge is a negative, this is an example of 58) \_\_\_\_\_  
A) information overload. B) hexadecimal code.  
C) a binary choice. D) digital.
- 59) This is used to represent one character on a computer: 59) \_\_\_\_\_  
A) digit. B) byte. C) bit. D) kilobyte.
- 60) A logical group of 8 bits is also known as a(an) 60) \_\_\_\_\_  
A) hexadecimal code. B) unique.  
C) octet. D) port.
- 61) For computers, adding binary numbers is simpler than adding decimal numbers because 61) \_\_\_\_\_  
A) you must have a calculator to do it.  
B) all numeric values can be represented in two digits.  
C) there are fewer rules to remember.  
D) binary numbers are longer.
- 62) Program instructions are represented in binary notation through the use of 62) \_\_\_\_\_  
A) buzzwords. B) codes. C) sets. D) pacts.
- 63) ASCII is a subset of this larger coding scheme: 63) \_\_\_\_\_

A) EBCDIC.                      B) lingo.                      C) Unicode.                      D) ASCII 2..

- 64) The following term could be used to quantify the size of a computer file: 64) \_\_\_\_\_  
A) RAM.                      B) Megabyte.                      C) CMOS.                      D) ROM.
- 65) An Mbit is equal to 65) \_\_\_\_\_  
A) one million bits.                      B) one million petabytes.  
C) one million bytes.                      D) 8 megabytes.
- 66) This type of computer uses less energy than a desktop computer: 66) \_\_\_\_\_  
A) mainframe.                      B) Blu-ray.                      C) notebook.                      D) supercomputer
- 67) To save energy you can set your laptop computer to go to 67) \_\_\_\_\_  
A) death mode.                      B) sleep.  
C) garbage collection mode.                      D) overclock mode.
- 68) The circuit board that contains a computer's CPU is called the 68) \_\_\_\_\_  
A) motherboard.                      B) daughter board.  
C) wafer.                      D) memory chip.
- 69) When newer processors can process all of the instructions handled by earlier models, the 69) \_\_\_\_\_  
processor is considered  
A) Core 2 Duo.                      B) Motorola.  
C) Apple.                      D) backward compatible.
- 70) A computer's overall performance is determined by 70) \_\_\_\_\_  
A) clock speed, architecture, and wordsize.                      B) peripheral and internal devices.  
C) Level 1 and Level 2 cache.                      D) CMOS and cache memory.
- 71) Increasing the clock speed of CPUs creates a negative side effect of 71) \_\_\_\_\_  
A) slower performance.                      B) loss of digits.  
C) heat.                      D) incompatibility.
- 72) One billion clock cycles per second is 72) \_\_\_\_\_  
A) megahertz.                      B) gigahertz.                      C) Mbits.                      D) hertz.
- 73) Putting multiple CPUs on a single chip is defined as 73) \_\_\_\_\_  
A) clustering.                      B) a multicore processor.  
C) heat sinking.                      D) multitasking.
- 74) To speed up processing, CPUs obtain data that is likely to be used next from 74) \_\_\_\_\_  
A) cache.                      B) CMOS.                      C) USB port.                      D) hard drive.
- 75) This type of memory is located in the CPU and is used to store data that is likely to be used next: 75) \_\_\_\_\_  
A) virtual storage.                      B) Level 2 cache.                      C) flash memory.                      D) Level 1 cache.
- 76) The CPU and main memory are housed in \_\_\_\_\_ chips on the motherboard and other circuit 76) \_\_\_\_\_  
boards inside the computer.  
A) silicon                      B) storage                      C) plastic                      D) peripheral
- 77) The typical CPU is divided into these functional units: 77) \_\_\_\_\_

- A) presort, sort, process, export, and save.
- B) control, arithmetic logic, decode, bus, and prefetch.
- C) registers, prefetch, decode, and store.
- D) fetch, decode, execute, and shred.

- 78) The actual execution of instructions is usually carried out by the \_\_\_\_\_  
 A) prefetch unit. B) arithmetic logic unit.  
 C) decode unit. D) control unit.
- 79) This unit of the CPU translates instructions for the CPU processing: \_\_\_\_\_  
 A) decode unit. B) prefetch unit.  
 C) ALU. D) Bus Interface Unit.
- 80) When information is sent from the CPU to memory or some other device this is considered \_\_\_\_\_  
 A) writeback. B) communication.  
 C) garbage collection. D) backflow.
- 81) This is an open area in the system unit used to hold a disk drive: \_\_\_\_\_  
 A) port. B) sack. C) transducer. D) bay.
- 82) Information travels between components on the motherboard through \_\_\_\_\_. \_\_\_\_\_  
 A) buses B) microprocessors  
 C) chips D) transistors
- 83) CMOS stands for \_\_\_\_\_  
 A) conducting memory of systems.  
 B) computer mouse operating system.  
 C) cost per minute of semiconductor.  
 D) complementary metal-oxide semiconductor.

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

- 84) Ron White, in *How Computers Work*, states that "The microprocessor that makes up your personal computer's central processing unit, or CPU, is the ultimate computer brain, messenger, ringmaster, and boss." \_\_\_\_\_
- 85) ALU stands for arithmetic logistical unit. \_\_\_\_\_
- 86) Storage devices serve as short-term repositories for data. \_\_\_\_\_
- 87) To make words, sentences, and paragraphs fit into the computer's binary only circuitry, programmers have devised codes that represent each letter, digit, and special character as a unique string of bits. \_\_\_\_\_
- 88) Not all software is compatible with every CPU. \_\_\_\_\_
- 89) Screen savers do not save energy or money. \_\_\_\_\_
- 90) A file is an organized collection of information, such as a term paper or a set of names and addresses, stored in a computer-readable form. \_\_\_\_\_
- 91) The operating system is loaded from the hard disk onto ROM when the computer is starting up. \_\_\_\_\_

92) A computer doesn't understand words, numbers, pictures, musical notes, or even letters of the alphabet. 92) \_\_\_\_\_

93) Flash memory chips, like RAM chips, can be written and erased rapidly and repeatedly. 93) \_\_\_\_\_

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

94) The most common input devices include a keyboard and mouse. One less common input device that requires voice use is a \_\_\_\_\_. 94) \_\_\_\_\_

95) A computer's overall performance is determined in part by the speed of its microprocessor's internal \_\_\_\_\_. 95) \_\_\_\_\_

96) The typical CPU is divided into several functional units: control, arithmetic logic, decode, \_\_\_\_\_, and prefetch. 96) \_\_\_\_\_

97) The physical components of a computer system are known as \_\_\_\_\_. 97) \_\_\_\_\_

98) A printer and a monitor are the most common \_\_\_\_\_ devices. 98) \_\_\_\_\_

99) Removable media devices are examples of secondary storage, otherwise known as \_\_\_\_\_ storage. 99) \_\_\_\_\_

100) The \_\_\_\_\_ was the first smart phone to truly capture the imagination of consumers and software developers. 100) \_\_\_\_\_

101) Windows and Mac OS X systems have advanced energy-saver control panels that can be used to switch the monitor, hard drive, and CPU to lower-power \_\_\_\_\_ modes automatically after specified periods of inactivity. 101) \_\_\_\_\_

102) A computer system is not complete without \_\_\_\_\_, which tells the hardware what to do. 102) \_\_\_\_\_

103) A(n) \_\_\_\_\_ is a binary digit. 103) \_\_\_\_\_

104) Programs written for \_\_\_\_\_, a popular operating system cannot run on Windows. 104) \_\_\_\_\_

105) Eight bits are called an octet or a \_\_\_\_\_. 105) \_\_\_\_\_

106) The most widely used code for computer programming is \_\_\_\_\_ (an abbreviation) and represents each character as a unique 8-bit code. 106) \_\_\_\_\_

107) The abbreviation, TB, stands for \_\_\_\_\_ when referring to computer storage. 107) \_\_\_\_\_

108) Data transfer speed is measured in \_\_\_\_\_, or Mb, per second. 108) \_\_\_\_\_

109) The CPU, all additional chips, and the electronic circuitry are all housed on the \_\_\_\_\_. 109) \_\_\_\_\_

110) Gigahertz is a measure of the computer's clock speed and is a measure of \_\_\_\_\_ of clock cycles per second. 110) \_\_\_\_\_

- 111) The number of bits a CPU can process simultaneously is the CPU's \_\_\_\_\_ size. 111) \_\_\_\_\_
- 112) Computer memory or primary memory is also known by the acronym \_\_\_\_\_. 112) \_\_\_\_\_
- 113) \_\_\_\_\_ memory is nonvolatile and often used in digital cameras and cell phones. 113) \_\_\_\_\_
- 114) In modern integrated circuits, high and low electrical charges represent bits, but these circuits work as if they were really made up of tiny \_\_\_\_\_. 114) \_\_\_\_\_
- 115) The wire groups that transfer data between components on the motherboard are known as the \_\_\_\_\_ buses. 115) \_\_\_\_\_
- 116) Slots and \_\_\_\_\_ enable the CPU to communicate with the outside world via peripheral devices. 116) \_\_\_\_\_
- 117) The microprocessor, also known by the acronym \_\_\_\_\_ is considered the "brain" of the computer. 117) \_\_\_\_\_
- 118) Information on computers is \_\_\_\_\_, which means it can be made up of two values. 118) \_\_\_\_\_
- 119) The \_\_\_\_\_ number system is a system that denotes all numbers with combinations of two digits. 119) \_\_\_\_\_
- 120) \_\_\_\_\_ is a coding scheme that supports 100,000 unique characters—more than enough for all major world languages. 120) \_\_\_\_\_
- 121) A \_\_\_\_\_ CPU can (with the right software) divide the work load between processors, assigning multiple cores to labor-intensive tasks such as photo or video editing. 121) \_\_\_\_\_
- 122) A \_\_\_\_\_, also known as a PB, is the astronomical value that is equivalent to 1,024 terabytes, or 1 quadrillion bytes. 122) \_\_\_\_\_
- 123) When computer software developed for one processor does not work on another processor, it is not \_\_\_\_\_. 123) \_\_\_\_\_
- 124) Think of memory as millions of tiny storage \_\_\_\_\_, each of which can contain a single byte of information. 124) \_\_\_\_\_
- 125) \_\_\_\_\_ Corp. is responsible for manufacturing the Pentium family of processors. 125) \_\_\_\_\_
- 126) Computers store important start-up information on chips that are commonly known by the acronym \_\_\_\_\_. 126) \_\_\_\_\_
- 127) The time it takes a processor to retrieve data from memory is called \_\_\_\_\_ time. 127) \_\_\_\_\_
- 128) The access time for most memory is measured in \_\_\_\_\_ (billionths of a second). 128) \_\_\_\_\_
- 129) Computer users can customize their computers by inserting special-purpose circuit boards called \_\_\_\_\_ cards. 129) \_\_\_\_\_

**MATCHING. Choose the item in column 2 that best matches each item in column 1.**

**Match the term on the left to its corresponding definition on the right.**

- |                     |   |            |
|---------------------|---|------------|
| 130) bus            | A) memory chips on small circuit boards                                   | 130) _____ |
| 131) bay            | B) printer, scanner, or mouse, for example                                | 131) _____ |
| 132) expansion card | C) area in the computer box for disk drives or other devices              | 132) _____ |
| 133) port           |   | 133) _____ |
| 134) peripheral     | D) low-energy, battery powered memory                                     | 134) _____ |
| 135) RAM            | E) adds an additional feature to a computer system                        | 135) _____ |
| 136) CMOS           |   | 136) _____ |
| 137) DIMMs          | F) unchangeable information that serves as reference material for the CPU | 137) _____ |
| 138) ROM            | G) socket on the outside of the computer                                  | 138) _____ |
| 139) flash memory   | H) wires that move data from one component to another                     | 139) _____ |
| 140) instructions   | I) contained on the CPU to perform a variety of simple tasks              | 140) _____ |
|                     | J) similar to RAM but nonvolatile   |            |
|                     | K) temporary storage area   |            |

**Match the term on the left to its corresponding definition on the right.**

- |                  |   |            |
|------------------|---|------------|
| 141) ALU         | A) translates an instruction into a form suitable for the CPU's internal processing | 141) _____ |
| 142) register    | B) the final phase of execution for a CPU   | 142) _____ |
| 143) writeback   | C) 32 or 64 bit storage for the ALU   | 143) _____ |
| 144) cache       | D) part of the CPU where instructions are performed                                 | 144) _____ |
| 145) decode unit |   | 145) _____ |
| 146) clock       | E) timing device  | 146) _____ |
|                  | F) memory that is faster than RAM   |            |

- 1) B
- 2) A
- 3) B
- 4) C
- 5) A
- 6) C
- 7) D
- 8) A
- 9) B
- 10) A
- 11) D
- 12) A
- 13) C
- 14) D
- 15) A
- 16) D
- 17) B
- 18) A
- 19) B
- 20) C
- 21) C
- 22) B
- 23) C
- 24) D
- 25) A
- 26) A
- 27) C
- 28) B
- 29) D
- 30) A
- 31) B
- 32) C
- 33) B
- 34) C
- 35) C
- 36) D
- 37) D
- 38) C
- 39) C
- 40) C
- 41) D
- 42) A
- 43) D
- 44) B
- 45) D
- 46) A
- 47) D
- 48) B
- 49) B
- 50) A
- 51) C

- 52) A
- 53) A
- 54) D
- 55) D
- 56) A
- 57) A
- 58) C
- 59) B
- 60) C
- 61) C
- 62) B
- 63) C
- 64) B
- 65) A
- 66) C
- 67) B
- 68) A
- 69) D
- 70) A
- 71) C
- 72) B
- 73) B
- 74) A
- 75) B
- 76) A
- 77) B
- 78) B
- 79) A
- 80) A
- 81) D
- 82) A
- 83) D
- 84) TRUE
- 85) FALSE
- 86) FALSE
- 87) TRUE
- 88) TRUE
- 89) TRUE
- 90) TRUE
- 91) FALSE
- 92) TRUE
- 93) TRUE
- 94) microphone
- 95) clock
- 96) bus
- 97) hardware
- 98) output
- 99) permanent
- 100) iPhone
- 101) power sleep
- 102) software
- 103) bit

104) Linux  
105) byte  
106) ASCII  
107) terabyte  
108) megabits  
109) motherboard  
110) billions  
111) word  
112) RAM  
113) Flash  
114) switches  
115) internal  
116) ports  
117) CPU  
118) binary  
119) binary  
120) Unicode  
121) multicore  
122) petabyte  
123) compatible  
124) cells  
125) Intel  
126) ROM  
127) access  
128) nanoseconds  
129) expansion  
130) H  
131) C  
132) E  
133) G  
134) B  
135) K  
136) D  
137) A  
138) F  
139) J  
140) I  
141) D  
142) C  
143) B  
144) F  
145) A  
146) E