

Exam

Name _____

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

- 1) Moore's Law is a rule that predicts _____
A) the data transfer rate for a hard drive.
B) the access time of the read/write head.
C) the pace at which CPUs improve.
D) the speed of the front side bus.
- 2) The most common port on new computers today is the _____ port. _____
A) serial B) parallel C) MIDI D) USB
- 3) The amount of RAM recommended for most systems today is measured _____
in _____
A) gigahertz. B) KB.
C) GB. D) megahertz.
- 4) The small circuit boards that hold a series of RAM chips are called _____
A) flash memory cards. B) memory modules.
C) expansion cards. D) virtual memory.
- 5) _____ are fast becoming the preferred means of portable storage. _____
A) floppy disks B) CDs
C) flash drives D) DVDs
- 6) To make sure your computer performs reliably, you can do all of the _____
following EXCEPT _____
A) increase the front side bus speed.
B) run the Disk Defragmenter.
C) clean out your Startup folder.
D) clear out unnecessary files.
- 7) The number of bits the video card uses to represent each pixel on the _____
monitor is called _____
A) bit depth. B) binary volume.
C) transparency. D) bit capacity.
- 8) A computer monitor's resolution is the _____
A) number of pixels displayed on the screen.
B) number of bits the video card uses to represent each pixel.
C) same as the refresh rate.
D) diagonal measurement of the tube.
- 9) If you were to purchase a new computer today, you would probably _____
NOT have a _____ port. _____
A) parallel B) FireWire C) Ethernet D) USB
- 10) Information about your computer's video card can be found in the _____
A) Startup folder.
B) Advanced Settings of the Display Settings dialog box.

- C) Task Manager.
- D) Memory subsystem.

- 11) The Ethernet port is used to connect a computer to _____
A) mice and keyboards. B) a local network.
C) printers only. D) digital video devices.
- 12) Flash memory is a form of _____ storage. _____
A) temporary B) nonvolatile
C) volatile D) optical
- 13) Which general computer concept statement is FALSE? _____
A) You can clean out unnecessary programs from your Startup folder.
B) When you defrag your hard drive, it works more efficiently.
C) An accumulation of temporary Internet files has no effect on your computer's overall performance.
D) Having the latest version of software products can make your system more reliable.
- 14) Each of the following is a type of port EXCEPT _____
A) Ethernet. B) FireWire. C) FSB. D) USB.
- 15) Which of the following statements about a USB port is TRUE? _____
A) It allows the transfer of data, one bit at a time, over a single wire.
B) It is commonly used to connect digital video devices to the computer.
C) It is fast becoming the most common port on computers today.
D) It is used to connect your computer to a local network.
- 16) When your computer is using virtual memory, the operating system builds a file called the page file on the _____
A) CD-ROM. B) hard drive.
C) FSB. D) CPU.
- 17) Before upgrading your video subsystem, you should evaluate all of the following EXCEPT _____
A) video card memory. B) Dolby digital compatibility.
C) monitor type. D) monitor size.
- 18) A computer system becomes memory bound when _____
A) the ALU becomes overloaded with data.
B) the FSB is too fast.
C) there is not enough RAM installed.
D) there is not enough virtual memory.
- 19) An expansion card that translates binary data into images is a(n) _____
A) audio card. B) game card.
C) sound card. D) video card.
- 20) The CPU is connected to the system memory by the _____
A) expansion hub. B) expansion card.
C) front side bus. D) cache memory.

- 21) Wi-Fi has a transfer data rate of up to _____ Mbps. 21) _____
A) 400 B) 200 C) 300 D) 100
- 22) When referring to hard drives, access time is measured in 22) _____
A) bps. B) milliseconds.
C) hertz. D) kilobytes.
- 23) Running the Disk Defragmenter utility will _____. 23) _____
A) make the hard drive work more efficiently.
B) clean out your Startup folder.
C) detect and remove spyware.
D) clear out temporary Internet files.
- 24) The greatest nonvolatile storage capacity in the computer system is 24) _____
found in the
A) RAM. B) hard drive.
C) CPU. D) cache.
- 25) Kernel memory is 25) _____
A) the amount of memory in the memory modules.
B) faster than RAM.
C) permanent memory.
D) RAM memory used by the operating system.
- 26) If you are wondering if you need more RAM, you should evaluate your 26) _____
_____ subsystem.
A) memory B) CPU C) audio D) storage
- 27) Some PC hard drives have storage capacities of up to 27) _____
A) 1.5 gigabytes. B) 1.5 kilobytes.
C) 1.5 megabytes. D) 1.5 terabytes.
- 28) Which of the following activities is carried out by the ALU? 28) _____
A) coordination of all other computer components
B) completion of all arithmetic calculations
C) movement of read/write heads
D) creation of virtual memory
- 29) When referring to hard drives, seek time and latency are two factors that 29) _____
make up
A) revolutions per minute. B) hertz.
C) data transfer rates. D) access time.
- 30) When there is not enough RAM installed in your system, it becomes 30) _____
limited in how fast it can send data to the CPU because there is not
enough memory. This is referred to as being
A) locked up. B) out of virtual memory.
C) memory bound D) memory locked.
- 31) An Ethernet port is technically called a(n) 31) _____
A) FireWire. B) USB port.

C) IEEE 1394 port.

D) RJ-45 jack.

32) Windows Vista incorporates _____, which enables you to migrate files and settings from a Windows XP system to a Windows Vista system via a network connection. 32) _____

A) Upgrade Companion

B) Easy Transfer Companion

C) Easy PC Transfer

D) Migrate Easy

33) A video card is an expansion card installed inside your 33) _____

A) video memory.

B) VGA hookup.

C) monitor.

D) system unit.

34) Two types of video memory are 34) _____

A) GDDR3 and DDR2.

B) SRAM and DRAM.

C) 4-bit and 8-bit.

D) IrDA and IDE.

35) Which of the following is NOT a main disadvantage of a desktop computer as compared to notebooks? 35) _____

A) A desktop computer is difficult to transport for repair.

B) A desktop computer requires more space.

C) A desktop computer is more expensive.

D) A desktop computer is harder to move around.

36) For the best audio experience, you need 36) _____

A) surround-sound speakers and a sound card.

B) a subwoofer.

C) IrDA capabilities.

D) a 3D sound card.

37) Which of the following forms of portable storage is referred to as magnetic media? 37) _____

A) DVD

B) floppy disk

C) CD

D) Blu-ray disc

38) All of the following are advantages of notebook computers EXCEPT: 38) _____

A) Wireless Internet access is easy to install.

B) They take up little space.

C) They are portable.

D) You get more speed for a lower price.

39) The control unit is one part of the 39) _____

A) front side bus.

B) RAM.

C) CPU.

D) clock.

40) The CPU consists of which two parts? 40) _____

A) the control unit and the front side bus

B) the arithmetic logic unit and the front side bus

C) the control unit and cache memory

D) the control unit and the arithmetic logic unit

41) A 3.8-GHz processor performs work at a rate of 41) _____

A) 3.8 bytes per second.

- B) 3.8 bits per second.
- C) 3.8 million machine cycles per second.
- D) 3.8 billion machine cycles per second.

- 42) Megahertz and gigahertz are both measures of _____
 A) cache memory. B) RAM capacity.
 C) processor speed. D) data transfer rate.
- 43) Which of the following forms of storage is referred to as optical media?
 A) floppy disk B) flash drive
 C) DVD D) hard disk drive
- 44) The amount of RAM that is actually on the memory modules in your computer is the _____ memory.
 A) nonvolatile B) physical
 C) permanent D) virtual
- 45) The percentage of time your CPU is working is referred to as CPU
 A) throughput. B) latency.
 C) usage. D) capacity.
- 46) Running the Disk Cleanup utility is a quick way to
 A) clean out your Startup folder.
 B) defrag your hard drive.
 C) remove spyware programs.
 D) clear out unnecessary files.
- 47) All of the following are forms of RAM EXCEPT
 A) XRAM. B) DRAM. C) SRAM. D) SDRAM.
- 48) All of the following can be connected to your computer through a port EXCEPT
 A) an external hard drive. B) RAM.
 C) a printer. D) a scanner.
- 49) You can determine the amount of RAM in your system by looking in the _____ window.
 A) Memory B) Performance
 C) Utilities D) System Properties
- 50) Each of the following is a computer subsystem EXCEPT the
 A) storage subsystem. B) memory subsystem.
 C) CPU subsystem. D) data subsystem.
- 51) CPU speed is measured in
 A) bits per second (bps). B) hertz.
 C) megabytes. D) nanoseconds.

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

- 52) External hard drives are an ideal solution when you need more storage than a flash drive can provide. 52) _____

- 53) An evaluation of your computer's storage subsystem would evaluate your computer's video card. 53) _____
- 54) Just because your monitor is capable of displaying a high resolution, it does not mean that your video card can display the same resolution 54) _____
- 55) Optical discs are much sturdier than other forms of media because they can be placed near heat sources without fear of damage. 55) _____
- 56) The number of transistors on a CPU chip helps determine the speed of the hard drive. 56) _____
- 57) Accessing data from the hard drive to send to the CPU is faster than accessing data from RAM. 57) _____
- 58) Having the fastest processor available does not always mean that you have the system with the best performance. 58) _____
- 59) The percentage of time that your CPU is working is referred to as processing time. 59) _____
- 60) When there is not enough RAM installed in your system, the system becomes memory bound. 60) _____
- 61) A Blu-ray burner will most likely record both CDs and DVDs. 61) _____
- 62) Some processors are built specifically to handle multimedia instructions better than others. 62) _____
- 63) The CPU is located on the motherboard. 63) _____
- 64) Processors are not necessarily interchangeable between notebooks and desktop computers. 64) _____
- 65) Moore's Law predicts that the number of transistors inside a CPU will triple every eighteen months. 65) _____
- 66) An Ethernet port can be used to connect to a local network. 66) _____
- 67) RAM is your computer's permanent storage space for data that is entered from the keyboard. 67) _____
- 68) CPU stands for computer processing unit. 68) _____
- 69) The main distinction between a desktop computer and a notebook is Internet connectivity. 69) _____
- 70) Level 1 cache memory contains more storage area than Level 2 cache. 70) _____
- 71) Temporary data and instructions are not stored on the hard drive because it is faster to retrieve data from RAM. 71) _____

- 72) RAM is nonvolatile storage. 72) _____
- 73) Data transfer rate is expressed in hertz. 73) _____
- 74) Intel has just released a 4.0 GHz CPU. 74) _____
- 75) Cache memory is generally slower than RAM. 75) _____
- 76) Level 2 cache is slightly farther away from the CPU than Level 1 cache. 76) _____
- 77) One computer has either volatile or nonvolatile storage, but never both. 77) _____
- 78) It is not possible to have CPUs with two cores that use less power than having two CPUs running at once. 78) _____
- 79) The video subsystem is made up of the video card and speakers. 79) _____
- 80) If you plug a USB 2.0 compliant device into a USB 1.1 port, your transfer rate will be that of the 2.0 device. 80) _____
- 81) A Blu-ray disc holds more data than a DVD does. 81) _____
- 82) The control unit coordinates the activities of all computer components except for the CPU itself. 82) _____
- 83) Hard drives have been growing in storage capacity by about 50 percent each year. 83) _____
- 84) There is an industry standard format for optical media. 84) _____
- 85) Not all CPUs are compatible with all motherboards. 85) _____
- 86) The CPU is the temporary storage location for all the data and instructions the computer needs when it is running. 86) _____
- 87) Pulling a flash drive out of the port without following the proper procedures could corrupt your data. 87) _____
- 88) The amount of memory your video card needs depends on what you want to display on your monitor. 88) _____
- 89) A sound card is attached to the inside of your computer's speaker. 89) _____
- 90) Hard drives have the largest storage capacity of any storage device. 90) _____
- 91) There are several types of processors on the market, but only Intel processors are made specifically for PCs. 91) _____
- 92) RAM is stored directly on the CPU. 92) _____

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

52) TRUE
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