Started on Tuesday, 13 February 2024, 2:12 PM
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Completed on Tuesday, 13 February 2024, 3:01 PM
Time taken 49 mins 9 secs
Marks 43.67/61.00
Grade **71.58** out of 100.00

Question **1**
Incorrect
Mark 0.00 out of 1.00

In the figure, the jumper setting on pin 1 and pin 2 is

Select one:
- a. Disabled ✖
- b. Parallel
- c. Serial
- d. Enabled

The correct answer is: Enabled

Question **2**
Correct
Mark 1.00 out of 1.00

A better port for video than VGA is a

Select one:
- a. S/PDIF port
- b. DIN port
- c. DVI port ✔
- d. USB port

The correct answer is: DVI port

Question **3**
Complete
Not graded

The size of a computer motherboard is known as its

Select one:
- a. Form factor
- b. Visual Interface Size (VIS)
- c. Area platform
- d. Hardsize

The correct answer is: Form factor

Question **4**
Correct
Mark 1.00 out of 1.00

Refer to the provided figure. What type of cable would have this symbol?

Select one:
- a. USB 3.0 ✔
- b. RF (radio frequency)
- c. Bluetooth
- d. FireWire

The correct answer is: USB 3.0

Question **5**
Correct
Mark 1.00 out of 1.00

Major microprocessor manufacturers are

Select one:
- a. Apple, Gateway, and Dell
- b. Maxtor, Seagate, and Sony
- c. Microsoft, 3-Com, and Oracle
- d. Intel, Motorola, and AMD ✔

The correct answer is: Intel, Motorola, and AMD

Question **6**
Correct
Mark 1.00 out of 1.00

A riser board attaches to a

Select one:
- a. CD/DVD drive
- b. Motherboard ✔
- c. DIN
- d. USB port

The correct answer is: Motherboard

Question 7
Correct
Mark 1.00 out of 1.00

The speed at which data travels from the CPU to various components on the mother board is called the

Select one:
- a. Path speed
- b. Belt speed
- c. Cache speed
- d. Bus speed ✔

The correct answer is: Bus speed

Question 8
Correct
Mark 1.00 out of 1.00

What does the graphic represent?

Select one:
- a. A ZIF socket ✔
- b. CPU
- c. A motherboard
- d. A chipset

The correct answer is: A ZIF socket

Question 9
Correct
Mark 1.00 out of 1.00

Data moves toward and away from the CPU on the _____, whereas data travels inside the CPU on the _____.

Select one:
- a. External data bus; internal data bus ✔
- b. High bus; low bus
- c. Peripheral exchange; central route
- d. Distal data path; proximal data path

The correct answer is: External data bus; internal data bus

Question 10
Correct
Mark 1.00 out of 1.00

What program can be used to view I/O addresses?

Select one:
- a. Configuration Manager
- b. I/O Steering Wizard
- c. Device Manager ✔
- d. Memory Mapper

The correct answer is: Device Manager

Question 11
Correct
Mark 1.00 out of 1.00

What is decimal number 14 in hexadecimal?

Select one:
- a. C
- b. D
- c. B
- d. E ✔
- e. A

The correct answer is: E

Question 12
Correct
Mark 1.00 out of 1.00

From the following group of terms, select one group whose items are incorrectly matched:

Select one:
- a. Storage: floppy disk drives, hard disk drives, optical drives
- b. Hardware: PC, power supply, motherboard
- c. Software: Windows Vista, applications, operating system
- d. Firmware: BIOS, software, mouse ✔

The correct answer is: Firmware: BIOS, software, mouse

Question 13
Complete
Not graded

Which of the following is NOT indicated by the Setup program?

Select one:
- a. The amount of unused hard drive space
- b. The type and number of hard drives installed
- c. How much RAM is in the computer
- d. The order of devices that the system searches for an operating system

The correct answer is: The amount of unused hard drive space

Question 14
Correct
Mark 1.00 out of 1.00

What is the advantage of using Flash BIOS?

Select one:
- a. It operates at a much faster speed than other types of BIOS.
- b. All these answers are true.
- c. Because all instructions are permanently burned on the chip, it is impervious to infection from viruses.
- d. It enables changing the BIOS by using an update file instead of having to install a new chip. ✔

The correct answer is: It enables changing the BIOS by using an update file instead of having to install a new chip.

Question 15
Complete
Not graded

Examine the figure. Item 3 is called a(n)

Select one:
- a. Motherboard
- b. Hard drive
- c. Case
- d. Adapter
- e. Riser

The correct answer is: Adapter

Question 16
Incorrect
Mark 0.00 out of 1.00

CMOS holds the computer's

Select one:
- a. Flash BIOS ✖
- b. Antivirus software
- c. current BIOS configuration
- d. startup commands

The correct answer is: current BIOS configuration

Question 17
Correct
Mark 1.00 out of 1.00

What are system resources?

Select one:
- a. RAM allocated to applications
- b. Processes that slow the computer down in times of high activity such as when a virus scan is occurring
- c. Description of IRQs, I/O addresses, and memory addresses assigned to a device ✔
- d. Windows threads allocated to hardware

The correct answer is: Description of IRQs, I/O addresses, and memory addresses assigned to a device

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Question 18
Correct
Mark 1.00 out of 1.00

Examine the figure. This port is called a

Select one:
- a. Video connector ✔
- b. Mouse connector
- c. Modem connector
- d. Serial port

The correct answer is: Video connector

Question **19**
Correct
Mark 1.00 out of 1.00

Which type of connection would require line of sight for a wireless mouse?

Select one:
- a. RF (radio frequency)
- b. Infrared ✔
- c. Bluetooth
- d. Component

The correct answer is: Infrared

Question **20**
Complete
Not graded

How are power-on passwords normally removed?

Select one:
- a. By jumpering two pins together on the motherboard
- b. By using a special disk
- c. By booting from a different device
- d. Through software

The correct answer is: By jumpering two pins together on the motherboard

Question **21**
Incorrect
Mark 0.00 out of 1.00
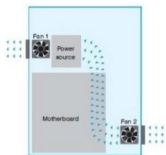
Consider the graphic. What statement is true?

Select one:
- a. The graphic shows the incorrect air flow for a liquid -cooled system.
- b. The graphic shows the correct air flow for a liquid-cooled system.
- c. The graphic shows the correct air flow for an ATX motherboard.
- d. The graphic shows incorrect air flow for an ATX motherboard. ✘

The correct answer is: The graphic shows the correct air flow for an ATX motherboard.

Question **22**
Correct
Mark 1.00 out of 1.00

What term is used to describe two CPUs in a single unit?

Select one:
- a. DUO
- b. Dual-core ✔
- c. Bi-core
- d. Quad-core

The correct answer is: Dual-core

Question **23**
Correct
Mark 1.00 out of 1.00

What is a benefit of active listening?

Select one:
- a. Enables more billable hours, which helps with business bottom lines
- b. Allows the customer to feel in control
- c. Enables you to solve a problem faster ✔
- d. Enables the customer to control the conversation

The correct answer is: Enables you to solve a problem faster

Question **24**
Correct
Mark 1.00 out of 1.00
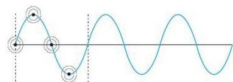
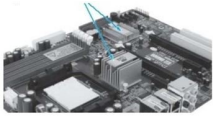What does the figure represent in terms of the CPU?

Select one:
- a. How to convert analog to digital.
- b. How many bits can be sent at one time.
- c. How many times data is sampled in one clock cycle.
- d. How many times data is sent in one clock cycle. ✔

The correct answer is: How many times data is sent in one clock cycle.

Reference the figure. What are the two components shown?

Select one:
- a. Chipset
- b. Heat sinks ✔
- c. ZIF sockets
- d. Dual CPUs

The correct answer is: Heat sinks

What is the purpose of the battery on the motherboard?

Select one:
- a. To keep the information stored in RAM
- b. To keep the information stored in CMOS ✔
- c. To keep the POST software stored so it can execute during startup
- d. To keep the information stored in Flash BIOS

The correct answer is: To keep the information stored in CMOS

What statement is true regarding a cold boot?

Select one:
- a. A cold boot occurs when you first turn on a computer.
- b. A cold boot occurs when you press Ctrl+Alt+Del.
- c. A cold boot occurs when the PC boots from an internal hard drive. ✘
- d. A cold boot occurs when the PC boots from an external hard drive.

The correct answer is: A cold boot occurs when you first turn on a computer.
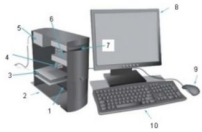
Examine the figure. Item 5 is called a(n)

Select one:
- a. Case
- b. Riser
- c. Power supply ✔
- d. Hard drive
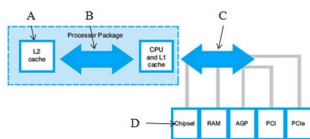- e. Optical drive

The correct answer is: Power supply

DIP, DIMM, SIMM, and RIMM are terms associated with types of

Select one:
- a. Ports
- b. Memory ✔
- c. Motherboards
- d. Monitors
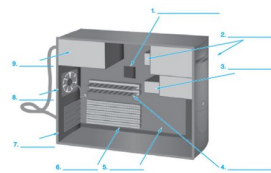
The correct answer is: Memory

In the figure, item C. is pointing to the

Select one:
- ○ a. Back side bus
- ◉ b. Front side bus ✔
- ○ c. The part that controls how many USB ports can be on the motherboard
- ○ d. Internal data path

The correct answer is: Front side bus

Examine the figure. The part shown as 6 is the

Select one:
- ○ a. CPU
- ○ b. RAM
- ◉ c. Expansion slot ✔
- ○ d. Motherboard

The correct answer is: Expansion slot

What is the component shown in the figure?

Select one:
- ○ a. DIP switch
- ○ b. Flash BIOS
- ○ c. CMOS
- ◉ d. Lithium battery ✔

The correct answer is: Lithium battery

What is one way to easily determine an adapter's function?

Select one:
- ○ a. Read the adapter label.
- ◉ b. Look at the peripheral that attaches to the adapter. ✔
- ○ c. Look it up on the Internet.
- ○ d. Look at the part number.

The correct answer is: Look at the peripheral that attaches to the adapter.

Memory addresses are shown in

Select one:
- ○ a. Decimal
- ○ b. Octal
- ◉ c. Hexadecimal ✔
- ○ d. Binary

The correct answer is: Hexadecimal

A computer with cache built in to the microprocessor plus memory built in to the processor packaging may have additional cache memory on the motherboard called:

Select one:
- a. L2 cache
- b. L3 cache ✔
- c. L1 cache
- d. L cache

The correct answer is: L3 cache

Match the part to the most appropriate description.

Motherboard	Holds processor and memory	✔
Adapter card	Laptop expansion	✖
Power supply	Outputs DC	✔
Hard drive	Large storage device	✔
Mouse	Input device	✔
RAM	Volatile memory	✔
LCD	Laptop screen	✔
BIOS	Contains firmware	✔
Docking station	Desktop computer expansion	✖
Modem	Uses RJ45 port	✖

The correct answer is: Motherboard → Holds processor and memory, Adapter card → Desktop computer expansion, Power supply → Outputs DC, Hard drive → Large storage device, Mouse → Input device, RAM → Volatile memory, LCD → Laptop screen, BIOS → Contains firmware, Docking station → Laptop expansion, Modem → Uses RJ11 port

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Match the description with the BIOS Setup option.

Used to enable port used for thumb drive	Lojack	✖
Locate a lost or stolen device	TPM	✖
View CPU and motherboard temperature	Boot Sequence	✖
Keyboard option	USB Configuration	✖
Order of devices the computer looks for an OS	ACPI	✖
Power options	Hardware Monitor	✖

The correct answer is: Used to enable port used for thumb drive → USB Configuration, Locate a lost or stolen device → Lojack, View CPU and motherboard temperature → Hardware Monitor, Keyboard option → Numlock, Order of devices the computer looks for an OS → Boot Sequence, Power options → ACPI

Label the processor connections diagram by dragging the most appropriate labels onto the image.
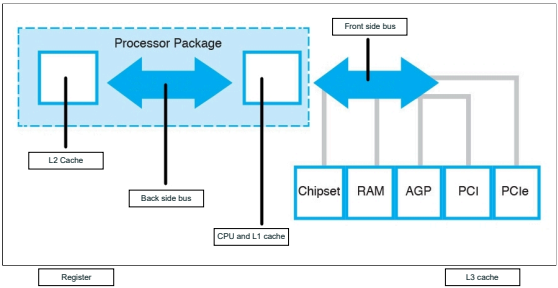
Match the term with the most appropriate definition.

Bootstrap	Interface between the operating system and firmware	✖
I/O Address	Allows a device and a processor to exchange data	✔
POST	Identifies, tests, and initializes basic hardware components	✔
IRQ	Locates an operating system and allows it to load	✖
CMOS	Memory that requires a small amount of power	✔
UEFI	Adapter information stored in a part of CMOS	✖

The correct answer is: Bootstrap → Locates an operating system and allows it to load, I/O Address → Allows a device and a processor to exchange data, POST → Identifies, tests, and initializes basic hardware components, IRQ → Number used for orderly device/port/CPU communications, CMOS → Memory that requires a small amount of power, UEFI → Interface between the operating system and firmware

Identify the computer ports by dragging the correct label onto the image.

VGA	RJ45	HDMI	Audio	PS/2
DVI	eSATA	SATA	USB	Thunderbolt

DisplayPort   FireWire
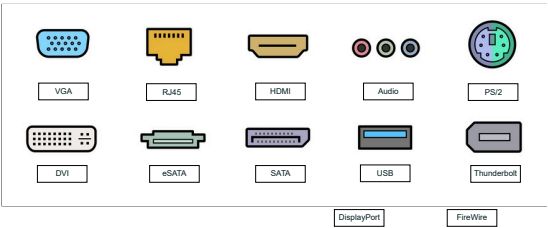
Match the computer term to the most appropriate definition.

Designed to increase the speed of processor operations.	Hyper-Threading	✖
Connects cache located on the processor die and the processor.	Registers	✖
Manufacturers include Motorola, Samsung, NVIDIA, and Qualcomm.	CPU	✔
Reducing the clock frequency to reduce power consumption and/or heat.	Throttling	✔
Intel CPU processes two sets of instructions at the same time	Backside bus	✖
Temporarily stores calculations, data, or instructions inside the CPU.	Cache memory	✖

The correct answer is: Designed to increase the speed of processor operations. → Cache memory, Connects cache located on the processor die and the processor. → Backside bus, Manufacturers include Motorola, Samsung, NVIDIA, and Qualcomm. → CPU, Reducing the clock frequency to reduce power consumption and/or heat. → Throttling, Intel CPU processes two sets of instructions at the same time → Hyper-Threading, Temporarily stores calculations, data, or instructions inside the CPU. → Registers