



GROUP OF INSTITUTIONS

ISO 9001: 2015 Certified

Chapter 3: Basic Computer Hardware

-Q1. Which of the following is the primary circuit board that connects all major hardware components of a computer?

- A) Monitor
- B) Mouse
- C) Motherboard
- D) Keyboard

Answer: C) Motherboard

Q2. Which of the following converts electrical power into a usable form for computer components?

- A) RAM
- B) Power Supply Unit (PSU)
- C) Motherboard only
- D) CPU

Answer: B) Power Supply Unit (PSU)

Q3. Which of the following is the correct full form of BIOS?

- A) Basic Integrated Operating System
- B) Binary Input Output System
- C) Basic Internal Operating System
- D) Basic Input Output System

Answer: D) Basic Input Output System

Q4. Which of the following describes the primary function of BIOS?

- A) Displaying application windows
- B) Initializing hardware and starting the boot process before the OS loads
- C) Managing internet browsing
- D) Printing documents

Answer: B) Initializing hardware and starting the boot process before the OS loads

Q5. Which of the following describes the term 'Bus Structure' in computer hardware?

- A) A type of printer

B) A type of software license

C) A type of monitor

D) Pathways that carry data between different components of a computer

Answer: D) Pathways that carry data between different components of a computer

Q6. Which of the following is the correct standard color-coding often used for a straight-through network patch cable pin arrangement?

- A) Only red and green wires
- B) Random colors with no standard
- C) Only black and white wires
- D) T568B/T568A standard color sequence

Answer: D) T568B/T568A standard color sequence

Q7. Which of the following is an expansion card used to enhance graphics performance in a computer?

- A) Sound Card handles audio, not graphics
- B) RAM module is not an expansion card for graphics
- C) Network Card handles connectivity, not graphics
- D) Graphics Card (GPU)

Answer: D) Graphics Card (GPU)

Q8. Which of the following expansion card is used to enable audio input/output in a computer?

- A) Sound Card
- B) Graphics Card handles video, not audio
- C) RAM module is unrelated to audio
- D) Network Card handles connectivity, not audio

Answer: A) Sound Card

Q9. Which of the following expansion card enables network connectivity in a desktop computer?

- A) Power Supply handles power, not networking
- B) Sound Card handles audio

- C) Network Interface Card (NIC)
- D) Graphics Card handles video

Answer: C) Network Interface Card (NIC)

Q10. Which of the following is a common port used to connect a monitor to a computer?

- A) Audio Jack is for sound
- B) Ethernet Port is for networking
- C) USB Port is for peripherals generally, though can extend to displays
- D) HDMI/VGA Port

Answer: D) HDMI/VGA Port

Q11. Which of the following is a common port used to connect peripherals like mouse, keyboard, and pen drives?

- A) Audio Jack is for sound only
- B) Ethernet Port is for networking
- C) HDMI Port is for video
- D) USB Port

Answer: D) USB Port

Q12. Which of the following port is commonly used for wired network connectivity?

- A) USB Port is for peripherals
- B) Ethernet Port (RJ45)
- C) HDMI Port is for video
- D) Audio Jack is for sound

Answer: B) Ethernet Port (RJ45)

Q13. Which of the following cable type is commonly used for LAN networking?

- A) USB cable is for peripherals
- B) HDMI cable is for video
- C) Ethernet/CAT cable
- D) Audio cable is for sound

Answer: C) Ethernet/CAT cable

Q14. Which of the following is an example of a data storage device?

- A) Hard Disk Drive (HDD)
- B) Keyboard
- C) Monitor
- D) Mouse

Answer: A) Hard Disk Drive (HDD)

Q15. Which of the following storage device generally offers faster data access, SSD or HDD?

- A) Floppy Disk
- B) SSD (Solid State Drive)

- C) HDD (Hard Disk Drive)
- D) CD-ROM

Answer: B) SSD (Solid State Drive)

Q16. Which of the following is an example of an optical storage device?

- A) RAM
- B) Pen Drive
- C) Hard Disk
- D) CD/DVD

Answer: D) CD/DVD

Q17. Which of the following is an example of a portable/removable storage device?

- A) Pen Drive (USB Flash Drive)
- B) CPU
- C) Power Supply Unit
- D) Motherboard

Answer: A) Pen Drive (USB Flash Drive)

Q18. Which of the following is a video input device used for capturing live video, such as during video calls?

- A) Monitor is an output device
- B) Speaker is an output device
- C) Webcam
- D) Printer is an output device

Answer: C) Webcam

Q19. Which of the following is a multimedia output device used to display video and images?

- A) Keyboard is an input device
- B) Microphone is an input device
- C) Monitor/Projector
- D) Scanner is an input device

Answer: C) Monitor/Projector

Q20. Which of the following device converts a physical printed image/document into digital format?

- A) Scanner
- B) Monitor displays output only
- C) Speaker outputs audio only
- D) Printer performs the opposite function

Answer: A) Scanner

Q21. Which of the following device produces a physical hard copy of a document?

- A) Printer
- B) Speaker outputs audio only

- C) Scanner converts physical to digital
- D) Monitor displays on screen only

Answer: A) Printer

Q22. Which of the following printer type uses toner and is common in offices for fast, high-quality printing?

- A) Inkjet Printer typically uses ink cartridges
- B) 3D Printer creates physical objects
- C) Dot Matrix Printer uses pins and ribbon
- D) Laser Printer

Answer: D) Laser Printer

Q23. Which of the following printer type uses liquid ink cartridges, often used for photo printing?

- A) Dot Matrix Printer uses pins and ribbon
- B) Laser Printer uses toner
- C) Thermal Printer uses heat-sensitive paper
- D) Inkjet Printer

Answer: D) Inkjet Printer

Q24. Which of the following printer type uses pins striking an ink ribbon, often used for multi-part forms?

- A) Laser Printer uses toner
- B) Dot Matrix Printer
- C) Inkjet Printer uses liquid ink
- D) 3D Printer creates objects

Answer: B) Dot Matrix Printer

Q25. Which of the following describes a Portable Computer?

- A) A laptop or notebook computer designed for mobility
- B) A large desktop tower only
- C) A fixed mainframe computer only
- D) A server rack only

Answer: A) A laptop or notebook computer designed for mobility

Q26. Which of the following device is used to connect two or more computers into a network?

- A) Monitor connects to a single computer for display
- B) Keyboard connects to a single computer for input
- C) Router/Switch
- D) Printer connects to a single computer for printing

Answer: C) Router/Switch

Q27. Which of the following is the correct term for random-access memory used for temporary data storage during processing?

- A) CD-ROM stores permanent data
- B) ROM stores permanent firmware
- C) RAM
- D) Hard Disk stores permanent data

Answer: C) RAM

Q28. Which of the following is the correct term for memory that stores permanent instructions like BIOS firmware?

- A) ROM (Read Only Memory)
- B) Cache Memory is high-speed temporary memory
- C) Register is a very small, fast CPU storage location
- D) RAM is volatile temporary memory

Answer: A) ROM (Read Only Memory)

Q29. Which of the following describes 'Cache Memory'?

- A) A small, high-speed memory used to speed up data access between CPU and RAM
- B) The main permanent storage of the computer
- C) A type of printer
- D) A type of monitor

Answer: A) A small, high-speed memory used to speed up data access between CPU and RAM

Q30. Which of the following describes 'Getting started with PC hardware support' as a topic?

- A) Understanding fundamental hardware troubleshooting and support concepts
- B) Only understanding software installation
- C) Only understanding internet browsing
- D) Only understanding email usage

Answer: A) Understanding fundamental hardware troubleshooting and support concepts

Q31. Which of the following describes 'Electricity and power systems' relevant to PC hardware?

- A) Understanding power supply requirements and electrical safety for computer systems
- B) Understanding internet protocols
- C) Understanding spreadsheet formulas
- D) Understanding word processing features

Answer: A) Understanding power supply requirements and electrical safety for computer systems

Q32. Which of the following is the correct term for the main processing chip of a computer?

- A) CPU (Central Processing Unit)
- B) GPU chip primarily handles graphics
- C) RAM chip stores temporary data
- D) ROM chip stores permanent firmware

Answer: A) CPU (Central Processing Unit)

Q33. Which of the following describes the term 'Connecting Computers' as covered in the Basic Computer Hardware module?

- A) Understanding only email composition
- B) Understanding only internet browsing
- C) Understanding how computers are physically networked together using cables/wireless technology
- D) Understanding only software installation

Answer: C) Understanding how computers are physically networked together using cables/wireless technology

Q34. Which of the following expansion slot type is commonly used for modern graphics cards?

- A) USB Port is for external peripherals
- B) Audio Jack is for sound output
- C) PCIe (PCI Express)
- D) Ethernet Port is for networking

Answer: C) PCIe (PCI Express)

Q35. Which of the following is a measure used to describe a monitor's display quality in terms of pixel count?

- A) Frequency measures processor speed generally
- B) Voltage measures electrical potential
- C) Resolution
- D) Wattage measures power consumption

Answer: C) Resolution

Q36. Which of the following is the correct term for a computer's clock speed measurement?

- A) GHz (Gigahertz)
- B) GB (Gigabyte) measures storage
- C) DPI measures print resolution
- D) Mbps measures data transfer speed

Answer: A) GHz (Gigahertz)

Q37. Which of the following is a benefit of having more RAM in a computer system?

- A) Reduced storage capacity
- B) Slower computer performance

C) Increased power consumption with no performance benefit

D) Improved multitasking and faster performance for running multiple applications

Answer: D) Improved multitasking and faster performance for running multiple applications

Q38. Which of the following describes the objective of the Basic Computer Hardware module as stated in the syllabus?

- A) To teach only internet browsing
- B) To acquaint an individual with the concepts of computer hardware
- C) To teach only email composition
- D) To teach only software programming

Answer: B) To acquaint an individual with the concepts of computer hardware

Q39. Which of the following is an example of a device used for both video output and multimedia presentation?

- A) Keyboard is an input device
- B) Scanner is an input device
- C) Projector
- D) Mouse is an input device

Answer: C) Projector

Q40. Which of the following best describes 'Data Storage Devices' as a broad category?

- A) Devices used only for displaying data
- B) Devices used only for processing data
- C) Devices used to store data either temporarily or permanently, like RAM, HDD, SSD and pen drives
- D) Devices used only for printing data

Answer: C) Devices used to store data either temporarily or permanently, like RAM, HDD, SSD and pen drives

Q41. Which of the following is a common port used to connect a monitor to a computer?

- A) Ethernet Port is for networking
- B) HDMI/VGA Port
- C) PS/2 Port is largely legacy for keyboard/mouse
- D) Audio Jack is for sound

Answer: B) HDMI/VGA Port

Q42. Which of the following is the correct term for the main processing chip of a computer?

- A) RAM chip stores temporary data
- B) ROM chip stores permanent firmware

- C) CPU (Central Processing Unit)
- D) GPU chip primarily handles graphics

Answer: C) CPU (Central Processing Unit)

Q43. Which of the following describes the term 'Connecting Computers' as covered in the Basic Computer Hardware module?

- A) Understanding how computers are physically networked together using cables/wireless technology
- B) Understanding only email composition
- C) Understanding only software installation
- D) Understanding only internet browsing

Answer: A) Understanding how computers are physically networked together using cables/wireless technology

Q44. Which of the following expansion slot type is commonly used for modern graphics cards?

- A) Ethernet Port is for networking
- B) PCIe (PCI Express)
- C) USB Port is for external peripherals
- D) Audio Jack is for sound output

Answer: B) PCIe (PCI Express)

Q45. Which of the following is a measure used to describe a monitor's display quality in terms of pixel count?

- A) Voltage measures electrical potential
- B) Frequency measures processor speed generally
- C) Wattage measures power consumption
- D) Resolution

Answer: D) Resolution

Q46. Which of the following is the correct term for a computer's clock speed measurement?

- A) Mbps measures data transfer speed
- B) GB (Gigabyte) measures storage
- C) DPI measures print resolution
- D) GHz (Gigahertz)

Answer: D) GHz (Gigahertz)

Q47. Which of the following describes the objective of the Basic Computer Hardware module as stated in the syllabus?

- A) To teach only software programming
- B) To teach only internet browsing
- C) To acquaint an individual with the concepts of computer hardware
- D) To teach only email composition

Answer: C) To acquaint an individual with the concepts of computer hardware

Q48. Which of the following best describes 'Data Storage Devices' as a broad category?

- A) Devices used only for printing data
- B) Devices used only for processing data
- C) Devices used to store data either temporarily or permanently, like RAM, HDD, SSD and pen drives
- D) Devices used only for displaying data

Answer: C) Devices used to store data either temporarily or permanently, like RAM, HDD, SSD and pen drives

Q49. Which of the following is an example of a video input device used for capturing live video?

- A) Speaker is an output device
- B) Printer is an output device
- C) Monitor is an output device
- D) Webcam

Answer: D) Webcam

Q50. Which of the following device converts a physical printed image/document into digital format?

- A) Printer performs the opposite function
- B) Scanner
- C) Monitor displays output only
- D) Speaker outputs audio only

Answer: B) Scanner

Q51. Which of the following describes a laptop's built-in pointing device that replaces a mouse?

- A) Touchpad
- B) External Monitor
- C) External Keyboard
- D) External Speaker

Answer: A) Touchpad

Q52. Which of the following is a common battery type used in laptops and portable devices?

- A) Lithium-ion battery
- B) Lead-acid battery is more common in vehicles
- C) Nickel-cadmium battery is largely outdated for laptops
- D) Alkaline battery is typical for small remote controls

Answer: A) Lithium-ion battery

Q53. Which of the following describes the function of a heat sink/cooling fan in a computer?

- A) Generating additional processing power
- B) Dissipating heat generated by components like the CPU to prevent overheating
- C) Providing additional network connectivity
- D) Storing additional data permanently

Answer: B) Dissipating heat generated by components like the CPU to prevent overheating

Q54. Which of the following describes the term 'Form Factor' in relation to motherboards and cases?

- A) The speed of data transfer only
- B) The color scheme of hardware only
- C) The brand name of hardware only
- D) The physical size and layout specification of computer hardware components

Answer: D) The physical size and layout specification of computer hardware components

Q55. Which of the following is a common wireless standard used for short-range file transfer and device pairing?

- A) Ethernet is a wired standard
- B) Bluetooth
- C) USB is generally a wired standard
- D) VGA is a video connection standard

Answer: B) Bluetooth

Q56. Which of the following describes the purpose of a docking station for laptops?

- A) Only storing the laptop when not in use
- B) Only cleaning the laptop screen
- C) Providing additional ports and connectivity options when a laptop is connected
- D) Charging the laptop battery only with no other function

Answer: C) Providing additional ports and connectivity options when a laptop is connected

Q57. Which of the following storage interface standard is commonly used to connect SSDs and HDDs to a motherboard?

- A) HDMI is for video output
- B) USB is generally for external peripherals
- C) Ethernet is for networking
- D) SATA (Serial ATA)

Answer: D) SATA (Serial ATA)

Q58. Which of the following describes RAID as a hardware configuration in some computer systems?

- A) A method of combining multiple disks for improved performance or redundancy
- B) A type of keyboard layout
- C) A type of monitor technology
- D) A type of printer technology

Answer: A) A method of combining multiple disks for improved performance or redundancy

Q59. Which of the following is an example of an all-in-one computer design?

- A) A traditional desktop tower with a separate monitor
- B) A smartphone
- C) A desktop computer with the CPU and monitor integrated into a single unit
- D) A laptop computer

Answer: C) A desktop computer with the CPU and monitor integrated into a single unit

Q60. Which of the following describes the term 'Overclocking' in relation to computer hardware?

- A) Running a component like a CPU at a higher speed than its default rated specification
- B) Running a component at a lower speed than default
- C) Formatting a storage device
- D) Permanently disabling a component

Answer: A) Running a component like a CPU at a higher speed than its default rated specification

Q61. Which of the following describes the term 'Motherboard chipset'?

- A) A type of monitor
- B) A type of keyboard
- C) A set of chips managing data flow between CPU, memory and peripherals
- D) A type of printer

Answer: C) A set of chips managing data flow between CPU, memory and peripherals

Q62. Which of the following is a common connector type used for older VGA monitor connections?

- A) HDMI is a newer digital standard
- B) 15-pin D-sub (VGA) connector
- C) RJ45 is for networking
- D) USB-C is a newer universal standard

Answer: B) 15-pin D-sub (VGA) connector

Q63. Which of the following is a widely used modern digital video/audio connector for monitors and TVs?

- A) VGA is an older analog standard
- B) PS/2 is for keyboard/mouse legacy connections
- C) HDMI
- D) RJ11 is for telephone lines

Answer: C) HDMI

Q64. Which of the following describes the purpose of an Uninterruptible Power Supply (UPS)?

- A) Increasing storage capacity
- B) Providing temporary backup power during outages to prevent data loss/damage
- C) Improving internet connectivity
- D) Increasing processing speed

Answer: B) Providing temporary backup power during outages to prevent data loss/damage

Q65. Which of the following is a common storage capacity measurement for modern hard disks?

- A) Megahertz (MHz) measures speed, not storage
- B) Volts measures electrical potential
- C) DPI measures print resolution
- D) Terabytes (TB)

Answer: D) Terabytes (TB)

Q66. Which of the following device type is generally more compact and portable compared to a desktop tower?

- A) Laptop/Notebook
- B) Server rack is typically larger and stationary
- C) Desktop tower is not portable
- D) Mainframe is large stationary equipment

Answer: A) Laptop/Notebook

Q67. Which of the following describes the term 'Dual Boot' in relation to computer hardware/software setup?

- A) Running two printers simultaneously
- B) Running two monitors simultaneously
- C) Configuring a computer to run two different operating systems, choosing one at startup
- D) Running two power supplies simultaneously

Answer: C) Configuring a computer to run two different operating systems, choosing one at startup

Q68. Which of the following describes the purpose of thermal paste applied between a CPU and heat sink?

- A) Improving heat transfer for better cooling efficiency
- B) Improving data transfer speed
- C) Improving display resolution
- D) Improving network connectivity

Answer: A) Improving heat transfer for better cooling efficiency

Q69. Which of the following is a common wireless printing standard/technology?

- A) Wi-Fi Direct printing
- B) Only USB cables allow printing
- C) Only Bluetooth is used exclusively, no Wi-Fi option
- D) Only Ethernet cables allow printing

Answer: A) Wi-Fi Direct printing

Q70. Which of the following describes a 'Docking Station' benefit for laptop users?

- A) Only for charging without any port expansion
- B) Only for storage with no connectivity benefit
- C) Allowing quick connection to multiple peripherals like monitors, keyboard, and network via a single connection
- D) Only for physical protection of the laptop

Answer: C) Allowing quick connection to multiple peripherals like monitors, keyboard, and network via a single connection

Q71. Which of the following is a common external storage interface offering fast transfer speeds for external drives?

- A) USB 3.0/3.1
- B) Older USB 1.1 is slower
- C) PS/2 is for keyboard/mouse, not storage
- D) VGA is for video output, not storage

Answer: A) USB 3.0/3.1

Q72. Which of the following describes a 'Hybrid Drive'?

- A) A device combining a monitor and keyboard
- B) A device combining a mouse and speaker
- C) A storage device combining traditional HDD storage with SSD-like caching for improved performance
- D) A device combining a printer and scanner

Answer: C) A storage device combining traditional HDD storage with SSD-like caching for improved performance

Q73. Which of the following is the correct term for the total number of pixels displayed on a screen, often expressed as width x height?

- A) Color Depth describes number of colors displayed
- B) Screen Resolution
- C) Aspect Ratio describes proportional width-to-height relationship
- D) Refresh Rate measures how often the image updates per second

Answer: B) Screen Resolution

Q74. Which of the following describes a common laptop input device used for typing, similar to a desktop keyboard?

- A) External Monitor is an output device
- B) Integrated/Built-in Keyboard
- C) External Printer is an output device
- D) External Speaker is an output device

Answer: B) Integrated/Built-in Keyboard

Q75. Which of the following is a common wireless connectivity option built into most modern laptops for internet access?

- A) Wi-Fi adapter
- B) Only Bluetooth for internet, no Wi-Fi option
- C) No wireless connectivity exists on laptops
- D) Only wired Ethernet is available on modern laptops

Answer: A) Wi-Fi adapter

Q76. Which of the following describes the function of an Ethernet cable's RJ45 connector?

- A) Connecting speakers for audio output
- B) Connecting a monitor for video output
- C) Connecting a device to a wired local area network
- D) Connecting a printer via USB

Answer: C) Connecting a device to a wired local area network

Q77. Which of the following is a benefit of having an SSD instead of an HDD in terms of durability?

- A) SSDs are always less durable than HDDs
- B) SSDs always have moving parts like HDDs
- C) SSDs have no moving parts, making them generally more resistant to physical shock

D) There is no durability difference at all

Answer: C) SSDs have no moving parts, making them generally more resistant to physical shock

Q78. Which of the following describes the general purpose of 'Basic Input/Output System' at computer startup?

- A) Performing a Power-On Self Test (POST) and initializing hardware before loading the OS
- B) Printing a startup report on paper
- C) Running application software directly
- D) Connecting to the internet directly

Answer: A) Performing a Power-On Self Test (POST) and initializing hardware before loading the OS

Q79. Which of the following is an example of a memory system measurement unit used for RAM capacity?

- A) Gigahertz (GHz) measures processor speed
- B) Gigabytes (GB)
- C) Lumens measure brightness
- D) Decibels measure sound level

Answer: B) Gigabytes (GB)

Q80. Which of the following describes the general purpose of expansion cards in a desktop computer?

- A) Adding extra functionality like graphics, sound, or networking beyond onboard capabilities
- B) Only for increasing the physical size of the case
- C) Only for increasing power consumption with no benefit
- D) Only for decorative purposes with no functional benefit

Answer: A) Adding extra functionality like graphics, sound, or networking beyond onboard capabilities

Q81. Which of the following is a common port used to connect peripherals like mouse, keyboard, and pen drives?

- A) USB Port
- B) Ethernet Port is for networking
- C) HDMI Port is for video
- D) Audio Jack is for sound only

Answer: A) USB Port

Q82. Which of the following port is commonly used for wired network connectivity?

- A) HDMI Port is for video

- B) Audio Jack is for sound
- C) USB Port is for peripherals
- D) Ethernet Port (RJ45)

Answer: D) Ethernet Port (RJ45)

Q83. Which of the following cable type is commonly used for LAN networking?

- A) Ethernet/CAT cable
- B) Audio cable is for sound
- C) HDMI cable is for video
- D) USB cable is for peripherals

Answer: A) Ethernet/CAT cable

Q84. Which of the following is an example of a data storage device?

- A) Keyboard
- B) Mouse
- C) Monitor
- D) Hard Disk Drive (HDD)

Answer: D) Hard Disk Drive (HDD)

Q85. Which of the following device converts computer output into a printed hard copy?

- A) Monitor displays output only
- B) Printer
- C) Scanner performs the opposite function
- D) Speaker outputs audio only

Answer: B) Printer

Q86. Which of the following printer type uses toner and is common in offices for fast, high-quality printing?

- A) Laser Printer
- B) 3D Printer creates physical objects
- C) Dot Matrix Printer uses pins and ribbon
- D) Inkjet Printer typically uses ink cartridges

Answer: A) Laser Printer

Q87. Which of the following printer type uses liquid ink cartridges, often used for photo printing?

- A) Inkjet Printer
- B) Laser Printer uses toner
- C) Dot Matrix Printer uses pins and ribbon
- D) Thermal Printer uses heat-sensitive paper

Answer: A) Inkjet Printer

Q88. Which of the following describes a Portable Computer as mentioned in the syllabus?

- A) A fixed mainframe computer only
- B) A large desktop tower only

- C) A server rack only
- D) A laptop or notebook computer designed for mobility

Answer: D) A laptop or notebook computer designed for mobility

Q89. Which of the following device is used to connect two or more computers into a network?

- A) Router/Switch
- B) Keyboard connects to a single computer for input
- C) Printer connects to a single computer for printing
- D) Monitor connects to a single computer for display

Answer: A) Router/Switch

Q90. Which of the following is the correct term for random-access memory used for temporary data storage during processing?

- A) ROM stores permanent firmware
- B) Hard Disk stores permanent data
- C) RAM
- D) CD-ROM stores permanent data

Answer: C) RAM

Q91. Which of the following describes 'Cache Memory' more specifically?

- A) A type of monitor
- B) A small, high-speed memory used to speed up data access between CPU and RAM
- C) A type of printer
- D) The main permanent storage of the computer

Answer: B) A small, high-speed memory used to speed up data access between CPU and RAM

Q92. Which of the following describes the purpose of a computer's 'System Clock' (real-time clock)?

- A) Measuring CPU processing speed only
- B) Keeping track of the current date and time even when the computer is powered off, using a small battery
- C) Measuring monitor refresh rate only
- D) Measuring internet connection speed only

Answer: B) Keeping track of the current date and time even when the computer is powered off, using a small battery

Q93. Which of the following battery type is commonly used to power a motherboard's CMOS/real-time clock?

- A) Laptop lithium-ion battery
- B) AA alkaline battery
- C) CMOS battery (coin cell)
- D) Car lead-acid battery

Answer: C) CMOS battery (coin cell)

Q94. Which of the following describes the term 'Peripheral' more specifically as it relates to hardware classification?

- A) The internal RAM chip only
- B) The internal motherboard only
- C) The internal CPU chip only
- D) Any external device connected to a computer to add functionality, like a printer or scanner

Answer: D) Any external device connected to a computer to add functionality, like a printer or scanner

Q95. Which of the following is a common connector used for connecting external hard drives via USB?

- A) USB-A or USB-C connector
- B) RJ45 connector is for networking
- C) 3.5mm audio jack is for sound
- D) VGA connector is for video

Answer: A) USB-A or USB-C connector

Q96. Which of the following describes the term 'Legacy Port', referring to older interfaces like PS/2 or Serial ports?

- A) Older connector types largely replaced by modern standards like USB
- B) Ports used exclusively for audio output
- C) The newest and most current connector standards
- D) Ports used exclusively for networking

Answer: A) Older connector types largely replaced by modern standards like USB

Q97. Which of the following device is used to convert AC power from a wall outlet to DC power suitable for a laptop?

- A) Surge protector primarily protects against voltage spikes

- B) Uninterruptible Power Supply (UPS) primarily provides backup power, not just conversion
- C) Laptop power adapter/charger
- D) Ethernet cable is unrelated to power conversion

Answer: C) Laptop power adapter/charger

Q98. Which of the following describes a Surge Protector's primary function for computer hardware safety?

- A) Increasing storage capacity
- B) Protecting connected devices from voltage spikes that could damage components
- C) Improving internet connectivity
- D) Increasing processing speed

Answer: B) Protecting connected devices from voltage spikes that could damage components

Q99. Which of the following storage device format is typically pre-installed with a file system before use, related to formatting basics covered in hardware/OS topics?

- A) A drive that cannot store any data
- B) A drive used only for printing
- C) Formatted drive with a file system like NTFS or FAT32
- D) An unformatted drive with no usable file system

Answer: C) Formatted drive with a file system like NTFS or FAT32

Q100. Which of the following describes why understanding basic hardware components benefits a user attempting simple PC troubleshooting?

- A) It helps identify and resolve common issues like loose connections or faulty peripherals without needing a technician
- B) Only software knowledge is ever needed for troubleshooting
- C) Hardware knowledge has no practical troubleshooting value
- D) Understanding hardware makes troubleshooting more difficult

Answer: A) It helps identify and resolve common issues like loose connections or faulty peripherals without needing a technician