1. What is a Central Processing Unit (CPU)?

 Explain the role of the CPU as the brain of the computer, responsible for processing instructions.

2. What is RAM (Random Access Memory)?

 Discuss the function of RAM as short-term memory that stores data temporarily while the computer is running.

3. The Role of a Graphics Processing Unit (GPU)

 Provide a simple overview of how the GPU handles graphics rendering in computers and gaming systems.

4. What is a Power Supply Unit (PSU)?

 Explain how the PSU converts electrical power from an outlet into usable power for the computer's components.

5. How Does a Hard Disk Drive (HDD) Work?

 Cover the basics of HDD storage, how data is written to and read from a spinning disk.

6. What is a Network Interface Card (NIC)?

 Introduce the NIC as the component that allows computers to connect to a network, either via Ethernet or Wi-Fi.

7. The Role of a Heat Sink and Cooling in Computers

 Explain how heat sinks and cooling fans prevent components like the CPU and GPU from overheating.

8. How Do USB Flash Drives Store Data?

 Discuss how USB flash drives use flash memory to store data and why they are convenient for transferring files.

9. How Does a Computer Boot Up?

 Provide a basic explanation of the boot process, from power-on to loading the operating system.

10. What is a Peripheral Device? (Mouse, Keyboard, Printers)

 Explain the role of external devices (peripherals) that connect to the computer to provide input/output functionality.

11. How Does a Solid-State Drive (SSD) Work?

 Explain how SSDs store data using flash memory, and how they differ from traditional hard drives.

12. What is a Motherboard?

 Describe the function of the motherboard as the main circuit board that connects all computer components.

13. Introduction to Computer Ports: USB, HDMI, and Ethernet

 Provide a basic explanation of different types of ports and their purposes in connecting peripherals and external devices.

14. How Do Optical Drives Work? (CD/DVD/Blu-ray)

Cover how optical drives read data from discs using lasers.

15. The Difference Between RAM and Storage

 Explain how RAM is temporary memory, while storage (HDD/SSD) holds data permanently.

16. What is a BIOS/UEFI?

 Describe how the BIOS/UEFI manages the startup process of a computer and connects hardware components.

17. What is a CMOS Battery?

 Explain how the CMOS battery maintains system settings and keeps the computer's clock running when powered off.

18. The Role of a Cooling Fan in a Computer System

 Introduce how fans are used to cool down components like the CPU and GPU, preventing overheating.

19. What is an External Hard Drive?

 Discuss the purpose of external hard drives as portable storage devices for data backup and transfer.

20. How Does a Touchscreen Work?

 Provide a simple overview of how capacitive touchscreens detect touch using electrical properties of the human body.

21. How Does a USB Hub Work?

Explain how a USB hub expands a single USB port into multiple connections.

22. Understanding HDMI vs VGA for Video Output

 Compare the HDMI and VGA connectors, focusing on their use for transmitting video signals.

23. What is a PCIe Slot on a Motherboard?

 Describe the role of PCIe slots for connecting expansion cards like GPUs, sound cards, and network cards.

24. How Does a Computer Monitor Work?

 Give an introduction to how monitors display images, covering basic concepts like pixels and screen resolution.

25. The Role of a Sound Card

 Explain how sound cards process audio and allow computers to output sound through speakers and headphones.

26. What is a Power Cord and Why Is It Important?

 Describe the function of a power cord and how it delivers power to the computer.

27. How Does a Webcam Work?

 Provide a basic explanation of how webcams capture video for live streaming or video conferencing.

28. The Role of USB Flash Drives in Data Transfer

 Discuss how USB flash drives allow quick transfer of data between computers.

29. Introduction to Laptop Chargers

 Explain how laptop chargers convert power and provide the necessary energy to keep laptops running and charged.

30. How Do Wireless Keyboards and Mice Work?

 Describe how wireless keyboards and mice communicate with a computer via Bluetooth or RF signals.

31. The Importance of Surge Protectors in Computer Systems

 Explain how surge protectors protect computer hardware from voltage spikes and electrical surges.

32. What is an HDMI Cable?

 Describe the role of an HDMI cable in transmitting high-definition video and audio signals between devices.