Here are 20 multiple-choice questions (MCQs) based on the topics you've provided:

**Hardware and Personal Computers**

1. **What does "hardware" refer to in a computer system?**  
   A) Programs and applications  
   B) Physical components of a computer  
   C) Network connections  
   D) User manuals  
   **Answer**: B
2. **Which of the following is an example of a personal computer?**  
   A) Desktop  
   B) Mainframe  
   C) Supercomputer  
   D) Server  
   **Answer**: A
3. **A laptop is typically used for:**  
   A) High-end server operations  
   B) Mobility and personal use  
   C) Industrial automation  
   D) Controlling other computers  
   **Answer**: B

**Portable Digital Devices**

1. **Which device is commonly used for playing multimedia and making phone calls?**  
   A) Smartphone  
   B) PDA  
   C) Scanner  
   D) Joystick  
   **Answer**: A
2. **A Personal Digital Assistant (PDA) is mainly used for:**  
   A) Gaming  
   B) Office tasks and organizing schedules  
   C) Video editing  
   D) Watching movies  
   **Answer**: B

**Computer Components**

1. **What is the primary function of the CPU?**  
   A) Store data  
   B) Execute instructions  
   C) Connect to the Internet  
   D) Display output  
   **Answer**: B
2. **Which type of memory is volatile and loses data when the power is turned off?**  
   A) ROM  
   B) RAM  
   C) Hard Disk  
   D) USB Drive  
   **Answer**: B
3. **Which of the following is an output device?**  
   A) Keyboard  
   B) Printer  
   C) Scanner  
   D) Mouse  
   **Answer**: B
4. **USB ports are typically used for:**  
   A) Network connections  
   B) Connecting peripherals like flash drives  
   C) Transferring video signals  
   D) Powering the CPU  
   **Answer**: B

**Performance Factors**

1. **What factor is measured in GHz?**  
   A) RAM size  
   B) CPU speed  
   C) Hard disk capacity  
   D) Data transfer rate  
   **Answer**: B
2. **Increasing the size of RAM improves:**  
   A) Internet speed  
   B) Multitasking ability  
   C) Printing quality  
   D) Display resolution  
   **Answer**: B

**Storage**

1. **What does "TB" stand for in storage capacity?**  
   A) Trillion Bytes  
   B) TeraBits  
   C) TeraBytes  
   D) Twin Bits  
   **Answer**: C
2. **Which of the following is not a type of storage media?**  
   A) DVD  
   B) Hard Disk  
   C) CPU  
   D) USB Flash Drive  
   **Answer**: C

**Software and Operating Systems**

1. **What is an operating system?**  
   A) A type of hardware  
   B) Software that manages hardware and applications  
   C) A storage device  
   D) A programming language  
   **Answer**: B
2. **Which of the following is an example of application software?**  
   A) Windows  
   B) Linux  
   C) Microsoft Word  
   D) macOS  
   **Answer**: C
3. **Operating systems software is different from applications software because it:**  
   A) Provides entertainment  
   B) Runs only games  
   C) Manages system resources  
   D) Cannot be updated  
   **Answer**: C

**Networks and Internet**

1. **What does LAN stand for?**  
   A) Local Area Network  
   B) Low Access Network  
   C) Linked Application Network  
   D) Large Area Network  
   **Answer**: A
2. **Which network type connects devices wirelessly within a limited area?**  
   A) WAN  
   B) WLAN  
   C) Extranet  
   D) Intranet  
   **Answer**: B
3. **What does "bps" measure?**  
   A) Storage capacity  
   B) Data transfer rate  
   C) CPU speed  
   D) Video quality  
   **Answer**: B
4. **Which is a key characteristic of broadband internet?**  
   A) Requires dialing for each connection  
   B) Always-on connection  
   C) Slow data transfer rate  
   D) Limited to text-based browsing  
   **Answer**: B

Let me know if you'd like to adjust or expand on any of these!