

# 25 Lecture - CS501

## Important Subjective

1. **What is an input-output interface?**

Answer: An input-output interface is a communication channel between a computer and its peripheral devices that allows for the transfer of data between them.

**What are the types of input-output interfaces?**

Answer: The two main types of input-output interfaces are serial and parallel.

**What is the difference between serial and parallel input-output interfaces?**

Answer: Serial interfaces transmit data one bit at a time, while parallel interfaces transmit multiple bits simultaneously.

**What factors should be considered when designing an input-output interface?**

Answer: Data transfer rates, cable length, compatibility, and security concerns are all factors that should be considered when designing an input-output interface.

**What is an example of a wireless input-output interface?**

Answer: Bluetooth is an example of a wireless input-output interface.

**What is the advantage of a parallel input-output interface?**

Answer: Parallel interfaces can transfer data at higher rates than serial interfaces.

**What is the disadvantage of a serial input-output interface?**

Answer: Serial interfaces typically have slower data transfer rates than parallel interfaces.

**What is an example of a high-speed input-output interface commonly used in external storage devices?**

Answer: SCSI is an example of a high-speed input-output interface commonly used in external storage devices.

**What is a device driver in the context of input-output interfaces?**

Answer: A device driver is software that allows the operating system to communicate with a specific input-output device.

**What are some security concerns related to input-output interfaces?**

Answer: Unauthorized access, data theft, and data privacy are all security concerns related to input-output interfaces.