

Peripheral & Interfacing(CSE 315)

Department of CSE

**Assignment No: 01**

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| **Topic/Question:** | 1.Serial port, Parallel port, USB  2. Relation between peripheral and interfacing |

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**1. Serial port, Parallel port, USB :**

Serial port, Parallel port, and USB ports are the physical ports that are used to connecting a computer through a cable and socket to a peripheral device.

**Serial ports:**

A serial port is a type of interface that connects a device to the system unit by transmitting data only one bit at a time. It means a serial port sends data bit by bit. Serial ports usually connect devices that do not require fast data transmission rates, such as a mouse, keyboard, or modem, security cameras, etc.

**Parallel Ports:**

A parallel port is an interface that connects devices by transferring more than one bit at a time. The transmission speed of a parallel port is quite high as compared to a serial port. Parallel ports are used in connecting printers, hard-drives, CD-drives, etc.

**Universal Serial Bus(USB):**

A USB port is a standard cable connection interface which can connect up to 127 different peripheral devices with a single connector type, greatly simplifying the process of attaching devices to a personal computer. USB ports allow stand-alone electronic devices to be connected via cables to a computer.

**2. Relation between peripheral and interfacing:**

Peripheral means the devices that are external to the main processing function of the computer. Classified as input, output, and storage devices.

Besides that, an interface is the point of interaction with software or computer hardware or with peripheral devices.

The peripheral device interacts with a computer system via interfacing points.