

ES Assignment-2

Q.1) Differentiate synchronous communication from as-synchronous communication in serial device?

Ans-

Synchronous

→ Each basic unit of data is transferred in accordance to a clock signal or in other words the data is transferred at a pre-defined rate. Is for this data transfer method a clock signal is needed. Moreover, synchronous data transfer systems usually have an error checking mechanism to guarantee data integrity over transmission.

As-synchronous

→ It lies somewhere in betⁿ the 2 other types. It sends asynchronous transmission systems. In such systems, each data source is given only a fixed time to transmit its data. In that fixed interval of time, the data source can transfer data at what-intervals it works.

Q.27) How is allocation of memory to program segments carried out?

Ans- → Computers typically use a memory allocation technique called segmented memory. When the OS loads a program on a segmented memory computer, it allocates to the program a contiguous block or segment of memory and the program can use no more memory than this.

Q.27) List the characteristics taken into consideration when interfacing a device and a port.

Ans- Point of attachment, where the cable from the peripheral can be plugged in and allow data to flow from and to the device.

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