

## 5.12.2 Block Diagram of IOP

- The Fig. 5.12.1 shows the block diagram of computer system with an I/O processor. The CPU and I/O processor work independently and communicate with each other using centrally located memory and DMA. The CPU does the processing of needed in the solution of computational tasks and IOP does the data transfer between various peripheral devices and the memory unit.

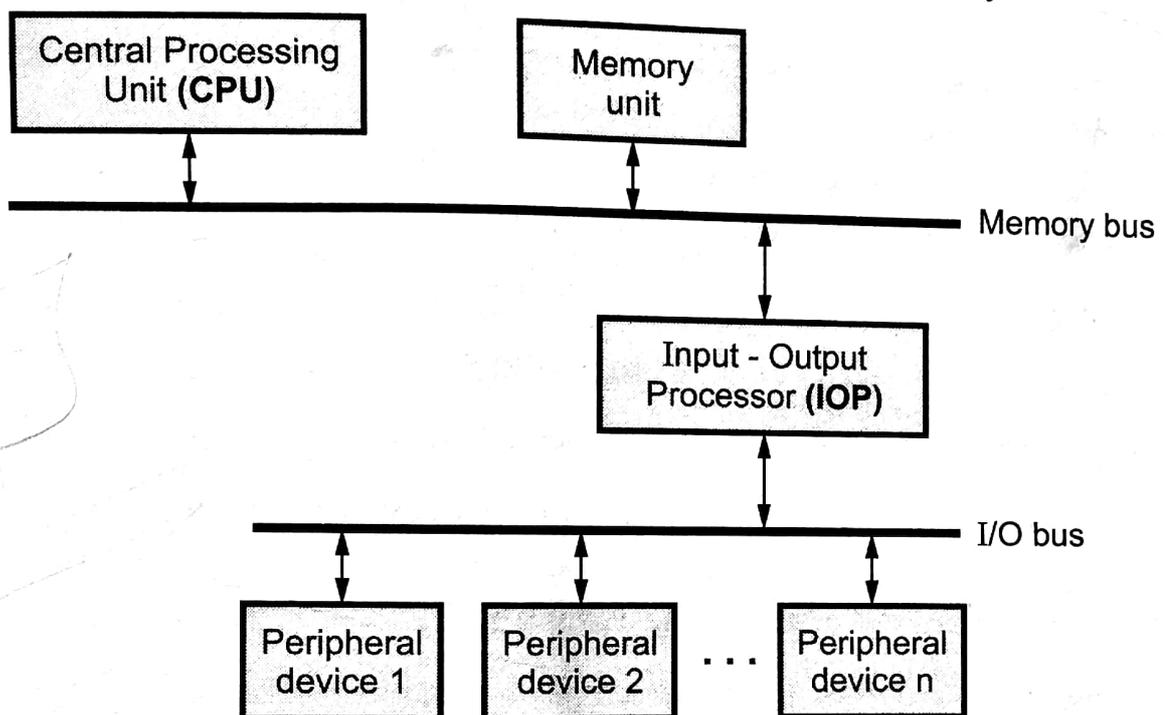


Fig. 5.12.1 Block diagram of a computer with I/O processor

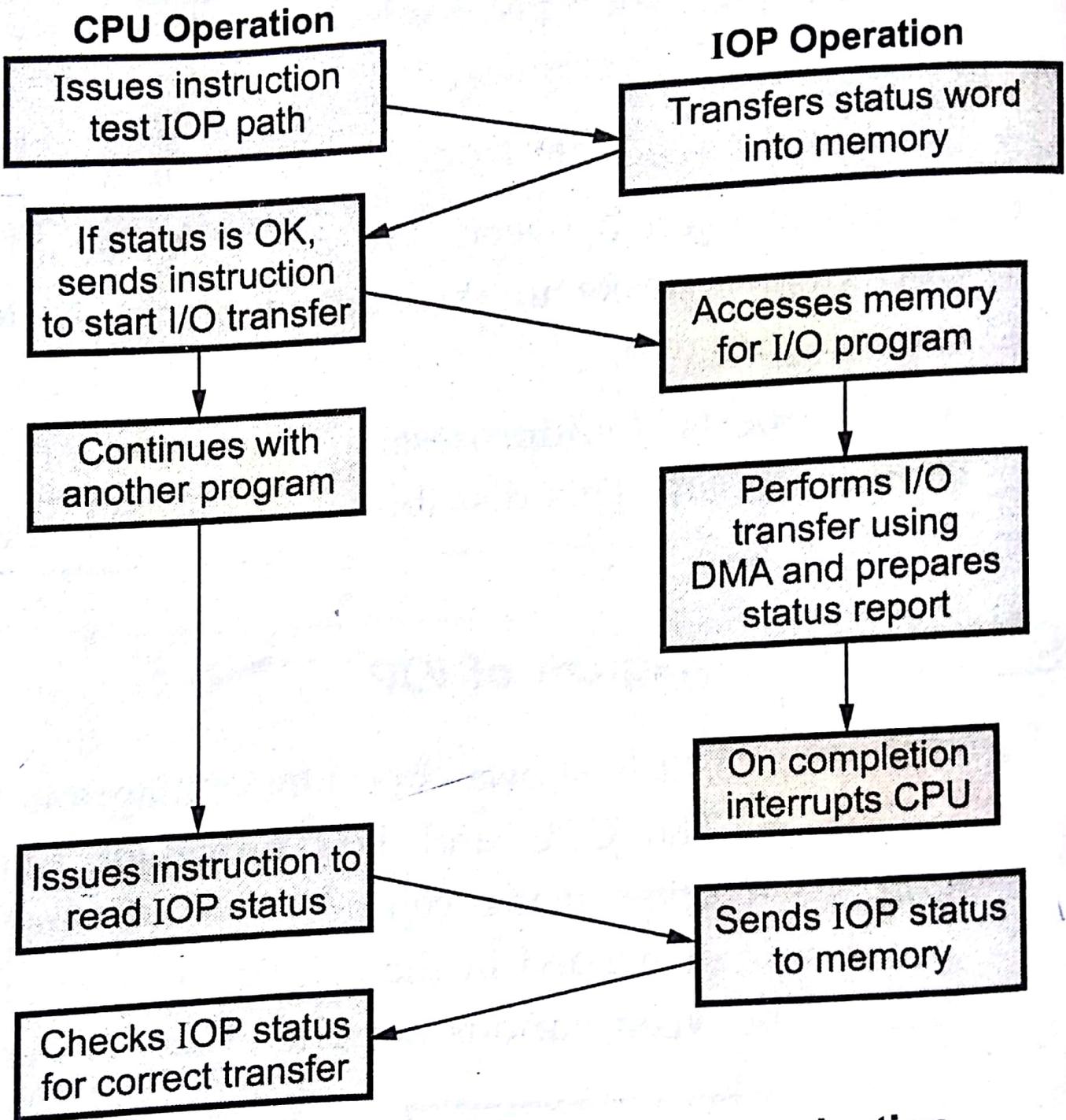


Fig. 5.12.2 CPU and IOP communication

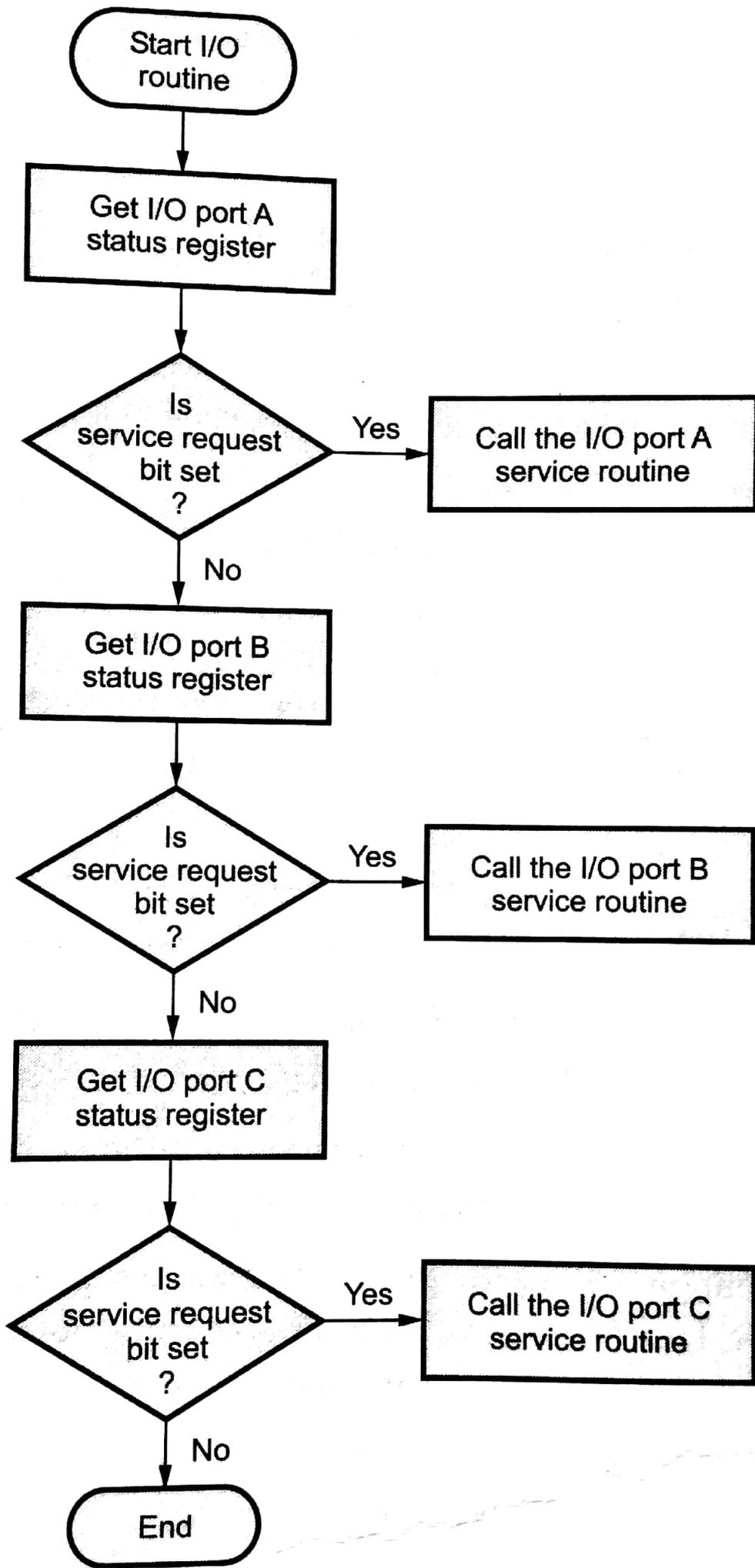


Fig. 5.8.1 Flowchart for I/O service routine