

C88-2017
Q5A

PART-II

Question no. 5:

Answer: Computer Bus: (B) A computer bus consists of a set of parallel conductors that may be conventional wires, copper tracks on a printed circuit board, or microscopic aluminium trails on the surface of a silicon chip.

Buses of Computer System:
Three basic buses employed in a computer system are given below:

1. Address Bus: Address bus carries memory addresses from processor to other components, such as primary storage and input/output devices.

Direction of Address Bus:

The address bus is unidirectional.

2. Data Bus: As the name indicates, a data bus is a data-centric framework that distributes and manages real-time data between processor and in intelligent distributed systems.

Advantage: It allows applications and devices to work together and as one integrated system.

Direction of Data Bus:

Data-bus is bi-directional (Figure).

3. Control Bus: Control bus carries control signals from processor to other components and ensures that everything flows/runs smoothly.

Direction of Control Bus:
The control bus is unidirectional (Figure).

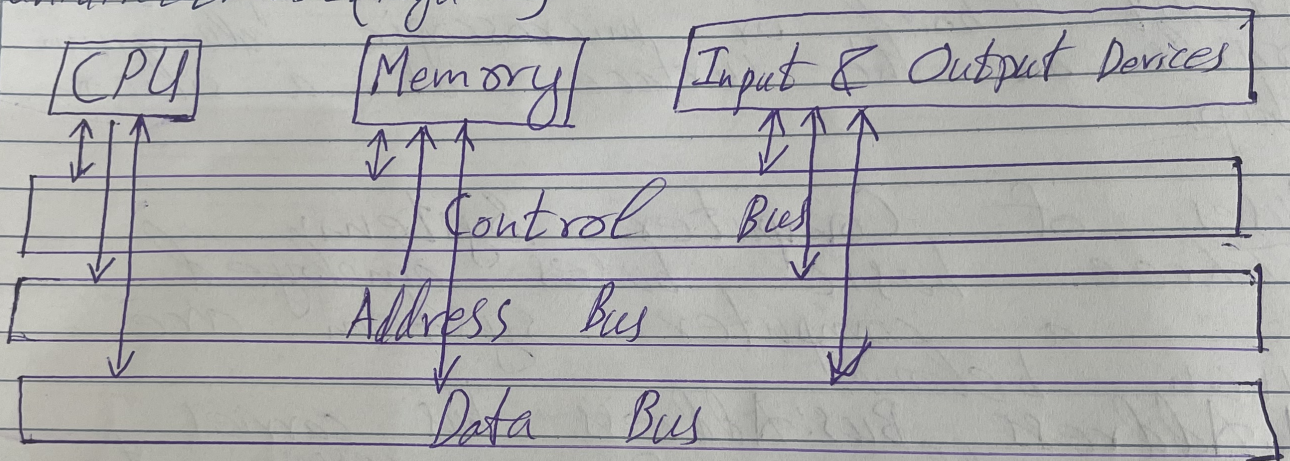


Figure: Working of Buses in Computer.