



**SUBJECT: MICROPROCESSOR ARCHITECTURE
AND PROGRAMMING**

TOPIC : BUS ORGANIZATION OF 8085

NAME OF TEACHER: SIMNA V J

ACADEMIC YEAR: 2020-2021



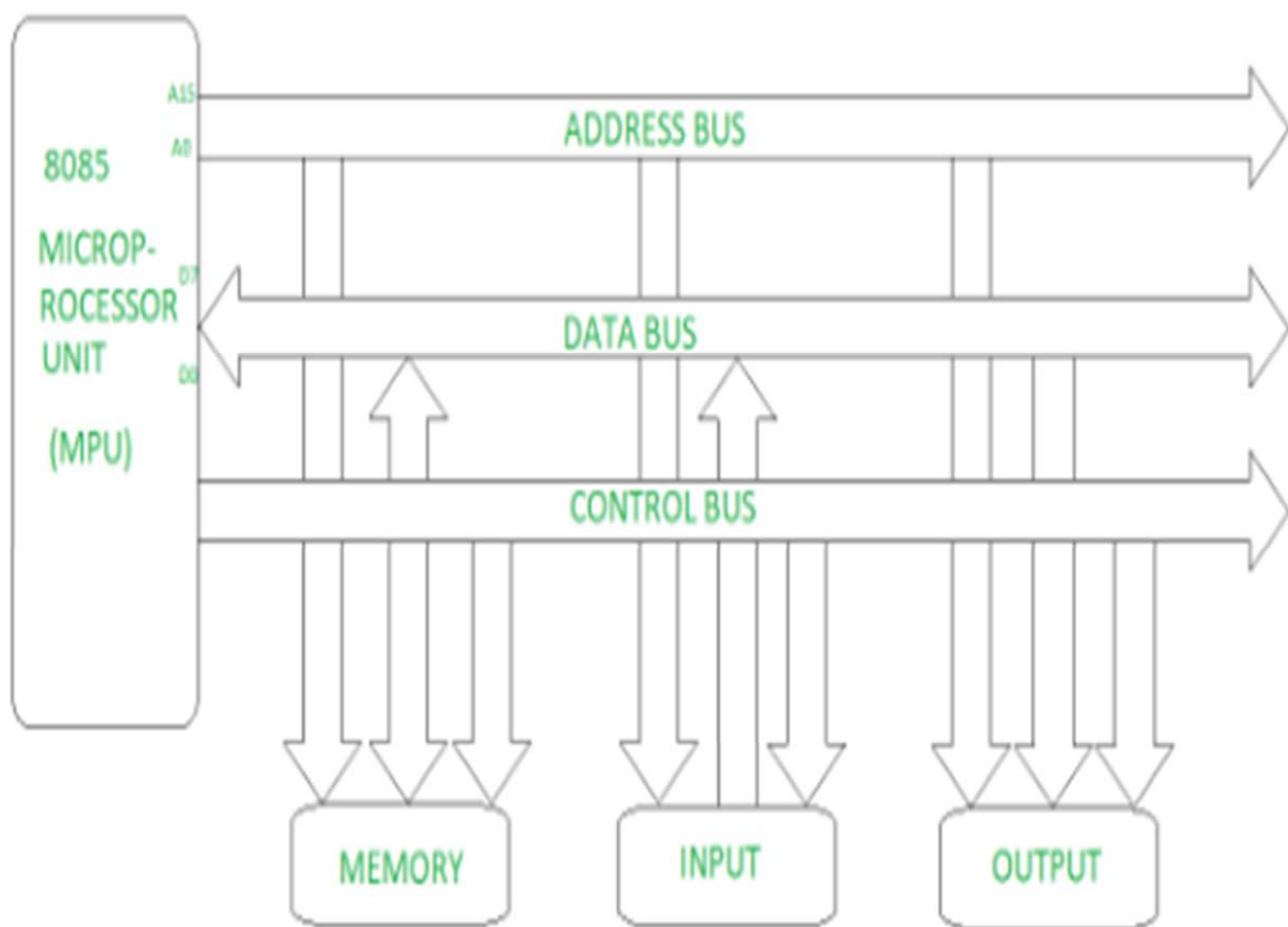


TOPIC:

BUS ORGANIZATION OF 8085

Bus organization of 8085 microprocessor



- Bus is a group of conducting wires which carries information.
- All the peripherals are connected to microprocessor through bus



Bus organization system of 8085 Microprocessor



Address bus

- It is a group of conducting wires which carries address only
- Address bus is unidirectional because data flow in one direction, from microprocessor to memory or I/o devices

- 
- 
- Length of address bus of 8085 is 16 bit
(length determines amount of memory a system can address)

Data bus

- It is a group of conducting wires which carries data only
- Length of data bus is 8bits

- 
- 
- Data bus is bi directional.ie,data flow from microprocessor to memory or I/o devices and from memory or I/O device to microprocessor

Control bus

- It is a group of conducting wires ,which is used to generate timing and control signals to control all the associated peripherals



■ Some control signals are

➤ memory read

➤ Memory write

➤ I/o read

➤ I/o write

