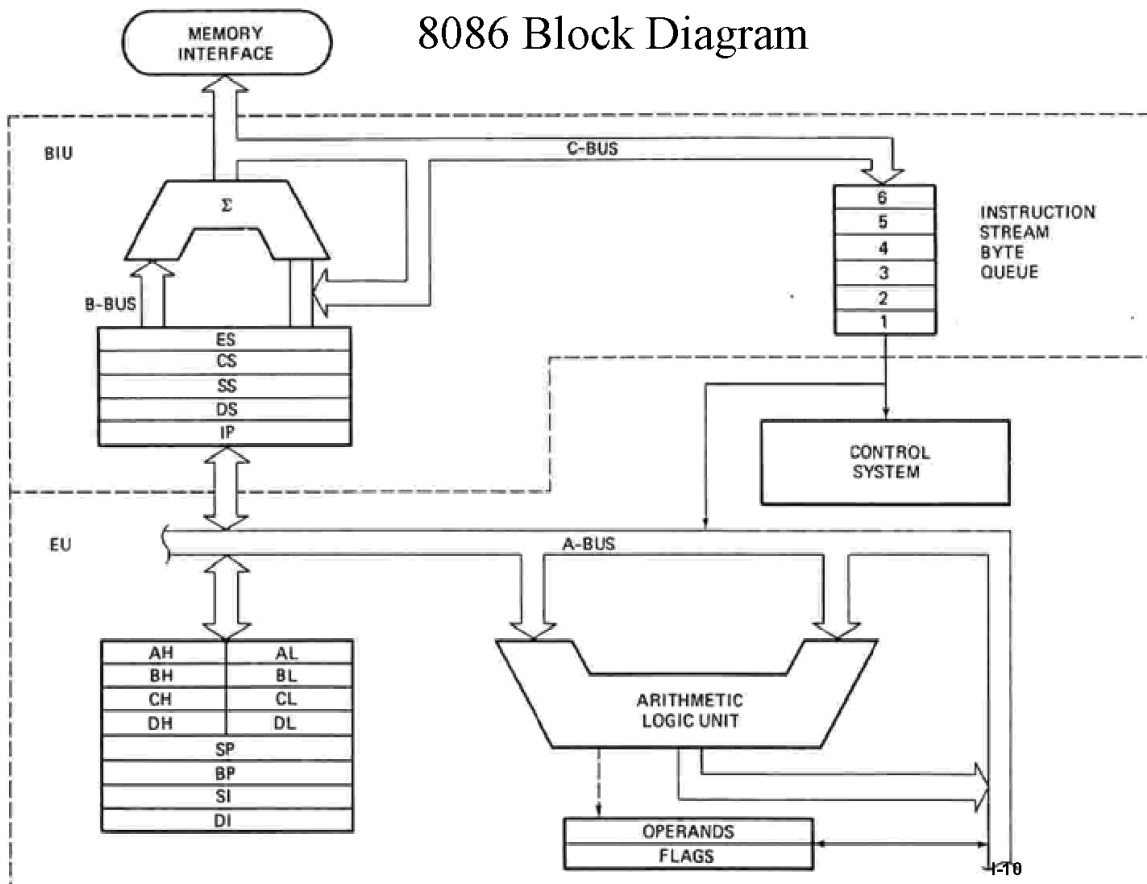


### Question No: 01

**Question: Draw the diagram of Intel 8086 Microprocessor organization**

**Answer:**



### Question No: 02

**Question: Consider a machine language instruction that moves a copy of the contents of register AX in the CPU to a memory word. What happens during fetch cycle and execution cycle?**

**Answer:**

**Mov M, AX**

During fetch cycle,

- Fetch the instruction (context of AX) from the memory
- Decode the instructions into machine code

During execution cycle,

- Perform the operation (movement of AX) on the data
- Store the result in memory