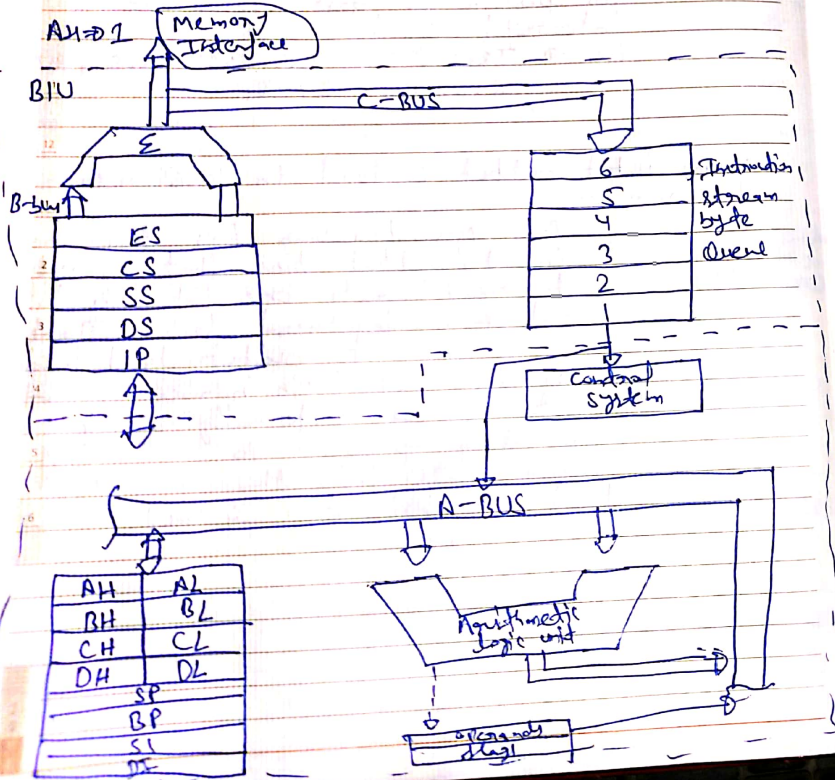


Section - 4

Q1 Draw the internal architecture of 8086 microprocessor. Explain the flag of 8086 microprocessor.



The flag of 8086 Microprocessor :- flag register of 8086 microprocessor the flag register is one of the special purpose register. The flag bits are changed to 0 or 1 depending upon the value of result after arithmetic or logical operations. 8086 has 16 bit flag register, and there are 9 valid flag bits.

6 Status flags:

- (i) carry flag
- (ii) parity flag
- (iii) auxiliary carry flag
- (iv) zero flag
- (v) sign flag
- (vi) overflow flag.

2 Control flags:

- (i) trap flag.
- (ii) interrupt flag.
- (iii) direction flag.