

Unit-2

Microprocessor and its Applications (CS313)

Question Bank

1. Draw and explain the Block diagram of Intel 8086 microprocessor.
2. Explain different types of registers of Intel 8086 microprocessor.
3. Explain the flag register of Intel 8086 microprocessor.
4. How Intel 8086 supports pipeline?
5. Draw and explain the pin diagram of Intel 8086 microprocessor.
6. Explain the addressing modes of Intel 8086 microprocessor.
7. Write the functions of any five instructions of Intel 8086 microprocessor.
8. WAP in 8086 assembly language for addition of two 16 bit numbers. Ignore the carry.
9. WAP in 8086 assembly language for addition of two 16 bit numbers. Consider the carry.
10. WAP in 8086 assembly language for multiplication of two 16 bit numbers. Result is 32-bit.
11. WAP in 8086 assembly language to find the greater number among two numbers.
12. WAP in 8086 assembly language to find the smaller number among two numbers.
13. WAP in 8086 assembly language to find the greatest number among ten numbers.
14. WAP in 8086 assembly language to find the smallest number among ten numbers.
15. WAP in 8086 assembly language to find factorial of a number.
16. WAP in 8086 assembly language to sort five number in ascending order.
17. WAP in 8086 assembly language to sort five number in descending order.
18. WAP in 8086 assembly language to compare two strings.