

CODE: **196223**
NOVEMBER 2020

TIME: 2Hrs
MAX. MARKS 50
(10 x 2=20)

PART A
Answer any **TEN** questions

1. What is the function of the accumulator?
2. List the registers used in 8086.
3. What is the function of status register in 8086.
4. What is a stack pointer?
5. What do you mean by refreshing of dynamic RAM?
6. Specify the signals that are used to enable the input port.
7. What are the types of interrupts in 8086?
8. How is an interrupt executed in 8051 microcontroller?
9. What is data exchange?
10. Define interfacing?
11. What is the function of a DAC?
12. What is a machine code?

PART B
Answer any **TWO** questions

(2 x 5=10)

13. Describe the data registers in 8086 microprocessor.
14. Explain the addressing modes of 8086 microprocessor.
15. Write notes on demultiplexing the (address /data) bus.
16. Explain the memory control signals in 8086.
17. Explain the internal interrupt function of 8259.
18. Explain jump and call instructions.
19. Write an assembly language programme to find the smallest numbers in an array.
20. Describe the process of interfacing I/O ports with 8051 microcontroller.

PART C
Answer any **TWO** questions

(2x10=20)

21. Explain the architecture of 8086 microprocessor with neat block diagram.
22. Explain the hardware organization of memory in 8086.
23. Describe the interrupt facility of 8086 microprocessor
24. Explain 8051 microcontroller hardware in detail.
25. Explain the interfacing of LED display with 8051 microcontroller.
