

## **Microprocessors Assignment**

### **Unit-1**

**Note:** Assignments should be handwritten on A4 sheets. First page should clearly mention your name, college name, roll number. Scanned PDF have to be submitted.

1. Explain the working of 8085 microprocessor with the help of block diagram and also explain about the function of each block.
2. What are addressing modes? How many addressing modes are there in 8085 microprocessor? Explain each one of them with suitable examples.
3. Discuss Rotate instruction of 8085 microprocessor with the help of suitable examples.
4. What do you mean by interrupts? How many types of interrupts are there in 8085 microprocessor? Explain each.
5. Explain the execution of the following 8085 instructions:-
  - a. CMA
  - b. NOP
  - c. HLT
  - d. XCHG
  - e. DAD
  - f. LDAX
  - g. SHLD
  - h. CALL
  - i. RET
6. What is the need of ALE signal in 8085 microprocessor?
7. Write an 8085 assembly language program to find the largest number from a given unordered array of 8 bit numbers, stored in the locations starting from a known address.
8. With suitable examples, explain the instruction set of 8085 microprocessor in detail.
9. Draw and explain the flag register of 8085 microprocessor.
10. Discuss the functions of PC and SP register of 8085 microprocessor.
11. Explain DAA instruction with suitable example.
12. Define opcode and operand. Specify the opcode and operand in the instruction MOV H,L.
13. Explain in detail the pin diagram of 8085 microprocessor.
14. Explain the logical instructions of 8085 microprocessor with suitable examples.
15. What is stack memory? How stack memory is implemented in 8085 microprocessor? Explain PUSH and POP operation.