

Class Test-01

CS5469: Microprocessor and Microcontrollers

Answer the following questions:

- 1) How will you program an 8085 microprocessor such that it stores the data present in accumulator & flag register at memory locations 1000H & 1001H, respectively?
- 2) How is INTR different from other interrupts in 8085? (write any two differences)
- 3) Explain the various addressing modes of 8085 with suitable examples
- 4) Explain the importance of all CPU registers in 8085 microprocessors.
- 5) Write a program to shift an eight-bit data 6 digits right. Assume that the data is in register C of an 8085 microprocessor.
- 6) What is the difference between conditional jump and unconditional jump in 8085? Give examples.
- 7) With diagrams explain the internal operations involved in executing the following 8085 instruction:
4000H: CALL 3000H
- 8) Write any two 8085 instructions for stack operations and explain their meaning. Use suitable examples.
- 9) Assume that the contents of B=FFH, C=FFH. What will be the contents of B and C registers after executing the following instructions: (a) INR C (b) INX B
- 10) Assume that the contents of B=00H, C=00H. What will be the contents of B and C registers after executing the following instructions: (a) DCR C (b) DCX B

Note: Answers to each of the above questions carries 1 mark