



- 2 (a) What is PSW? What are status flags provided in 8085? Explain them in detail. **10**
- (b) Explain : Machine cycle and T. states. **4**
- 3 (a) Discuss how delay is generated using only one register. Also explain the method to evaluate delay time. **10**
- (b) Explain the following instruction MVI r, data; INX rp; CMC; EI. **4**

**OR**

- 3 (a) Classify Intel 8085 instruction in various group. Give examples of instruction for each group. **10**
- (b) Explain the following instruction. ADCM; ORI data; JPE add (label); NOP. **4**
- 4 (a) Draw the block diagram of Intel 8259 and explain the function of each block. **10**
- (b) Write an assembly language program to add two 8 bit numbers, the sum is only 8 bit.

**OR**

- 4 (a) Discuss the function of DMA-controller in detail. **10**
- (b) Write an assembly language program to find larger of the two number. **4**
- 5 Write short notes : (on any two) **14**
- (a) Single Chip Micro Computer
- (b) How delay is generated using register pair.
- (c) Discuss how to determine the control word for Intel 8255.
- (d) Evolution of microprocessor.