

SECTION-B

2. What is PROM programming? Explain with suitable instructions.
3. Write an Assembly Language program using 8085 Microprocessor instruction set to arrange N numbers in an ascending order.
4. Explain the concept of Machine Cycle, Instruction Cycle and T-state with the help of an example.
5. Draw the block diagram of Internal Architecture of 8086. Explain the function of each block.
6. Describe Serial and Parallel Data Transfer techniques.

SECTION-C

7. Design a memory interfacing circuit for interfacing : two 4K byte EPROM and four 4K byte RAM chips with 8085 Microprocessor. Also specify the memory address range of each chip. (Use absolute decoding and 3×8 decoder)
8. Explain how a Stepper Motor can be interfaced with 8085 Microprocessor.
9. Draw and explain the block diagram of Microprocessor based Traffic Control System. Also draw flow chart showing working of the system.