



### SECTION-B

- 2) What are the various registers used in 8085? Explain in detail.
- 3) Sketch and explain the timing diagram of an input transfer on a synchronous bus.
- 4) Write an assembly language program for 8085 for 16 bit multiplication.
- 5) What are the functional blocks available in 8051? Explain with a block diagram.
- 6) Show and explain the interfacing of seven segment display with 8085 microprocessor.

### SECTION-C

- 7) Draw the circuit for interfacing the processor, memory and I/O devices through DMA and explain its functioning in detail. (10)
- 8) Explain the circuit diagram of interfacing the 8085 microprocessor with stepper motor. (10)
- 9) a) What is the function of 8251 chip? Discuss in detail. (07)  
b) Explain the addressing modes of 8086. (03)