

8. a) Write a program to transfer block of data from internal memory locations to external memory locations for 8051 microcontroller. 8
- b) Explain pin configuration with circuit diagram for all port of 8051 microcontroller. 8
9. a) Explain different modes of Timer for 8051 microcontroller. 8
- b) Explain difference between microprocessor and microcontroller. Also list different criteria for selection of microcontroller for a particular application. 8

OR

10. a) List the interrupts available in 8051 microcontroller. Explain interrupt enable (IE) SFR and interrupt priority (IP) SFR. 8
- b) Explain TCON & TMOD SFR for 8051 microcontroller. 8
