

- b) Write an ALP to find out largest number from the given array of bytes. **07**
- Q-6** **Attempt all questions** **(14)**
- a) Explain in detail with examples different arithmetic instructions. **07**
- b) Write an ALP to find out smallest number from the given array of bytes. **07**
- Q-7** **Attempt all questions** **(14)**
- a) Explain in detail with example different bit / byte JUMP instructions. **07**
- b) Write an 8051 C program to toggle only pin P1.0 continuously every 50 ms. Use Timer 0, mode 2 (8-bit auto-reload) to create the delay. **07**
- Q-8** **Attempt all questions** **(14)**
- a) Write a C program for 8051 to transfer the message “WHY CCET EC?” serially at 2400 baud rate continuously. Use 8-bit data and 1 stop bit. **07**
- b) Draw the pin diagram of LCD. Explain the function of each pin of LCD. **07**

