

## **UNIT 2:**

1. Illustrate the operating modes of 8255 PPI.
2. List the salient features and explain interrupt service register, interrupt request register of 8259 interrupt controller.
3. Illustrate the working of 8257 DMA with neat diagram.
4. Discuss the block diagram of 8255 and explain the function of each block.
5. Explain the different operating modes of 8255.

## **UNIT-5**

35. Explain registers associated in programming GPIO's in LPC2148 ARM7 processors (PINSEL, IOSET, IOCLR & IODIR).
36. Write a program to interface LPC2148 ARM 7 processor to rotate DC motor thrice in clockwise and five times in anti-clockwise.
37. Explain PCB (Pin Connection Block) in LPC2148.
38. Write the steps for programming of PLL.
39. Write the steps for Programming of Timer0/Timer1.
40. Write a program to interface LPC2148 ARM 7 processor to blink the LED's one after the other with delay of 50000000