EC6504-MICROPROCESSOR AND MICROCONTROLLER

UNIT-V
PART-A

1. Write short notes on interrupts in 8051
2. What is the basic difference between a timer and a counter?
3. Explain the operating mode 0 of 8051 serial port.
4. List out the advantages of LCD over LED
5. Write an ALP to generate a saw tooth waveform
6. What are the contents of SCON register?
7. What is the difference between watch dog timer and ordinary timer? (Nov/Dec 2013)
8. What is SBUF?

PART –B

1. . (i)How do you interface 8051 microcontroller with keyboard? Explain in detail.
   (ii) How do you interface 8051 microcontroller with ADC? Explain in detail.
   (Nov/Dec 2013)
2. . Explain in detail the procedure to interface stepper motor with 8051.
3. Describe the structure of 4 parallel ports in 8051 with necessary diagrams.
4. Draw the block diagram of Intel 8051 timer/counter and explain its different modes of Operations.