

Assignment No. III

Subject:- Microcontroller and its Applications

NEC-022

- Q.1 Name the interrupts of 8051. How can they be enabled and disabled? How priority can be Assigned
- Q.2 Explain in details about SBUF and SCON registers.
- Q.3 Explain with a suitable Block diagram explain all the time mode and discuss the programming of mode 1 timer.
- Q.4 How is RS-232 interfaced with 8051 and explain the use of RS-232.
- Q.5 What are the basics of serial communication? Does asynchronous communication between two processors have to be done at standard baud rate?
- Q.6 Draw and explain the interfacing of external memory with 8051 microcontroller.
- Q.7 Enlist the steps to generate a time delay using the timer's mode 2. Also draw the structure of TMOD register
- Q8 Explain the importance of interrupt in serial communication. Draw the bit format of TCON register. Which bits of SCON register signify the transmission and reception of data?
- Q.9 Draw and explain the interfacing of 8255A to 8085 microcontroller.
- Q.10 Assume that IP register has all 0s. Explain what happens if both INTO and INT1 are activated at the same time.

Last Date of Submission is : - 02/05/2016 (Positively by Lunch)

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