

Reg. No. :

Question Paper Code : 21180

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Sixth Semester

Electrical and Electronics Engineering

EC 1301 — MICROPROCESSOR AND MICROCONTROLLER

(Common to Electronics and Instrumentation Engineering/Instrumentation and Control Engineering and Fifth Semester Electronics and Communication Engineering)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write a 8085 program to find the 2's complement of a number.
2. If the contents of the A and D registers are B9H and B7H respectively, what are the flags that will be affected when the instruction CMP D is executed?
3. Distinguish asynchronous and synchronous data transmission.
4. Distinguish RS-232C and RS-485 standards.
5. What does the instruction MOV CS: [BX], DL mean?
6. Give the difference between near and far jumps.
7. Write the applications of data pointer of 8051.
8. What are the functions of special function registers in 8051?
9. Write a 8051 program to divide two 8-bit numbers.
10. Mentions the applications of ACALL and LCALL instructions.

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Patrick Vollmar



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