10

8

6E3205	Roll No Total No. of Pages: 2
	6E3205
	B. Tech VI Sem. (Main/Back) Exam. April-May, 2012
	Computer Engg.
	6CS5 Embedded System Design

Time: 3 Hours

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Maximum Marks: 80

Min. Passing Marks: 24

Instructions to Candidates:

Attempt any five questions, selecting one question from each unit. All Question carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly.

Units of quantities used/ calculated must be stated clerly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1Nil	2
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2. _____Nil____

Unit-I

- (a) What is the difference between Microprocessor, Microcontroller and DSP? Explain. Write down the general capabilities of Microcontroller.
 - (b) Explain the use of Microcontroller in Embedded systems. 6

Or

- 1. (a) What are the selection criterias of a Microcontroller? Explain.
 - (b) Explain the architecture of 32 bit Microcontroller.

Unit-II

 (a) Explain the I/O Ports, Counters and Timers of a Microcontroller MSP 430.

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