

Register Number :

Name of the Candidate :

5 3 7 2

B.Sc. DEGREE EXAMINATION, 2013

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - VII)

210 / 240. COMPUTER ARCHITECTURE

AND MICROPROCESSORS

*(Common with B.Sc. [Information
Technology] and Lateral Entry)*

May] [Time : 3 Hours

Maximum : 100 Marks

SECTION – A (8 × 5 = 40)

Answer any EIGHT questions.

ALL questions carry EQUAL marks.

1. Explain the represent of negative numbers.

Turn Over

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2. How can you convert decimal to binary? Give example.
3. Write a note on registers.
4. Explain the basic logic gates.
5. List the various branch operations in 8085 microprocessor.
6. Write about the memory map in 8085.
7. Discuss the flag register of 8085.
8. Explain about masking with logic AND.
9. Write about stack.
10. Give the idea of BCD to seven segment LED code.

SECTION – B (3 × 20 = 60)

Answer any THREE questions.

ALL questions carry EQUAL marks.

11. Explain the architecture of 8085 microprocessor with neat diagram.
12. Discuss the various addressing modes of 8085 with suitable examples.

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13. Describe the time delay using one register.
14. Explain the data transfer and arithmetic operations in 8085 microprocessor.
15. Write an 8085 ALP to convert BCD to Binary number.