

MAY 2014

P/ID 17505/PCASE

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Write about segment and ends directives.
2. Discuss on debugging assembly language programs.
3. Give a short note on 8086 stack.
4. Explain on 8086 timing parameters.
5. Give the 8086 interrupt response steps.
6. List out the methods of parallel data transfer.
7. Write about the light sensors.
8. Give an overview on DMA.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Discuss about the construction of machine codes for 8086 instructions.
10. Write on jump and conditional jump statements.

11. Explain about writing and using procedures.
 12. Describe on assembler directives with examples.
 13. Give the block diagram of a simple 8086-based microcomputer and explain.
 14. Write on 8086 interrupt types.
 15. Write 8255A internal block diagram and system connection.
 16. Give the D/A converter operation and specifications.
 17. Explain on cache mode DRAM systems.
 18. Write on the intel 80286 microprocessor.
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