

DECEMBER 2015

P/ID 17503/PCASC

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Discuss the different types of language processors.
2. What is scanning? Explain.
3. Describe assembly process.
4. Write a macro with three positional parameters. Explain how it is expanded.
5. Write notes on nested macro cells.
6. Describe compilation process.
7. Write short notes on code optimization.
8. Explain the features of an editor software tool.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Describe the data structures for language processing.
10. What is passing? Explain.

11. Describe the design of a Two – pass assembler.
 12. Discuss briefly on a single pass assembler for the IBM PC.
 13. Explain how a macro processor is designed.
 14. Explain briefly about memory allocation.
 15. Explain the steps in interpretation process.
 16. Describe the design of a linker.
 17. Explain different loading schemes.
 18. Explain the software tools for program development.
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