MAY 2022 **P/ID 17607/PCA2F**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is a language processor?

2. What is preprocessor?

3. What is called scanning and parsing?

4. What is meant by assemblers?

5. Specify the format of IC unit.

6. Write a note on location counters.

7. Define Macro.

8. What is macro assembler?

9. Define compiler.

10. What is called interpreters?

11. List out the steps that are achieved in during program execution.

12. What is static linking?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions.

13. Illustrate on language specification.

14. Discuss about data structure for language processing.

15. Give the overview of the assembly process.

16. Describe the single pass assembler for the IBM PC.

17. Write short notes on nested macro calls.

18. Explain about memory allocation.

19. Discuss about the linker for MS DOS.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Elaborate the language processing activities and its fundamentals.

21. Explain the elements of assembly language programming.

22. Illustrate about the design of macro preprocessor.

23. Give a detailed note on code optimization.

24. Specify the software tools for program development. Explain.

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