APRIL 2026 **52501/125C1A/141C1A/ 120C1A/127C1A/126C1A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What are the advantages of computer algorithms?
2. Write a note on computer software.
3. What are literals in python?
4. Define: “Dictionary”.
5. What is multi-way selection?
6. Give the general form of iterative control.
7. How to define functions in python?
8. What is returning functions? Give example.
9. State the use of Turtle graphics.
10. Comment on top down design.
11. Define: “Pandas”.
12. What is matplotlib?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Enumerate the limits of computational problem solving.

14. Describe the declaration of identifiers in python with example.

15. Analyze the syntax and example of if statement in python.

16. Explain the use of indentation in python.

17. How to parameter passing to functions? Explain.

18. Appraise the importance of python modules.

19. Elucidate the salient features of inheritance.

PART C — (3 × 10 = 30 marks)

Answer any THREE Questions.

20. Illustrate the various types of data types available in python.

21. Estimate the building blocks of python programs.

22. Demonstrate the use of keyword arguments in python.

23. Discuss the reading and writing text files with example.

24. Write a Python program to find a Factorial for given number.

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