APRIL 2024

52501/125C1A/
120C1A/127C1A/
126C1A/141C1A

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Mention the process of computational problem solving.

2. Write a note on computer hardware.

3. What is an identifier?

4. Define “Iterative Control”.

5. Recall the uses of infinite loops.

6. Show the example for Boolean flag.

7. How will you define a function?

8. Give the purpose of calling non-value.

9. State the advantages of modular design.

10. What are the python modules?

11. Define: “Dictionaries”.

12. What are the features of pandas?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Summarize the limits of computational problem solving.

14. What are the differences between arithmetic and relational operators? Explain.

15. Write short notes on parameter passing to function. Give example.

16. Describe the declaration of recursive functions.

17. Elaborate the attributes of Turtle with example.

18. Bring out the advantages of polymorphism.

19. Write a Python program to check given string is Palindrome or not.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Outline the various data types available in python with example.

21. Compare and construct lists and dictionary.

22. Illustrate the purpose of keyword arguments in python.

23. Discuss the implementation of exception handling mechanism.

24. Examine the built-in functions of NumPy.

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