Time: 3 Hours 15 Minutes   **Max. Marks: 70**

PART - A

I.   **Answer all the following questions. Each question carries ONE mark.**   **1 × 10 =10**

1. Who invented Pascaline?
2. Expand UNIVAC.
3. What is a plotter?
4. Expand ASCII.
5. Name any one single user operating system.
6. Define debugging.
7. What do you mean by inheritance?
8. What is token?
9. Define cell.
10. Why <B> tag is used in HTML?

PART - B

II.   **Answer any FIVE questions. Each Question carries TWO marks.**   **2 × 5 =10**

11. What are the differences between microcomputer and minicomputer?
12. Write a note on ROM.
13. Find the 2's complement of $101101_{(2)}$.
14. Explain any two types of operating system.
15. Write the syntax for declaring a variable with example.
16. Compare *while* and *do-while* statements.
17. Explain the different ways of reading a string.
18. Give two features of spreadsheet.

PART - C

III.   **Answer any FIVE questions. Each Question carries THREE marks.**   **3 × 5 = 15**

19. Explain the block diagram of computer.
20. Write a note on language translators.
21. What are the stages in problem solving techniques?
22. Write an algorithm to find years, moths and days given total days.
23. Explain the input and output operations of two dimensional arrays.
24. What do you mean by array of structures?
25. List the services of internet.

PART - D

IV.   **Answer any SEVEN questions. Each question carries FIVE marks.**   **5 × 7 = 35**

26. Explain the history of computers.
27. Write a note on non-impact printers.
28. Convert (a) $1111.111_{(2)} = ?_{(10)} = ?_{(16)}$ (c) $79.35_{(16)} = ?_{(10)}$
         (b) $23459_{(10)} = ?_{(2)} = ?_{(16)}$
29. Draw a flowchart to reverse a given number.
30. Explain different types of *if* structures in C++.
31. Write a note on different operators used in C++ programming.
32. Explain the various methods of formatting the output with example.
33. Write a note on character manipulation functions.
34. Compare the concept of call by value and call by reference with proper example.
35. What are the steps involved in mail merge.
36. Give the structure of HTML program. Explain any five HTML tags in detail.

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