JAIN COLLEGE
I PUC MOCK
Subject: Computer Science

Time: 3 Hours

Max.Marks:70

PART - A

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

1. Who is the world's first programmer?
2. Define resolution of a monitor.
3. What is runtime error?
4. Define Token.
5. Which is the fixed execution statement in C++?
6. If num=1110, then num>>2=?
7. Write an example for initializing unsized array.
8. Define function prototype.
9. What is a Bullet?
10. Expand ESS.

PART - B

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

11. Mention two applications of computers in Education.
12. Mention different types of key board.
13. Give the differences between compiler and Interpreter.
14. What are the features of algorithm?
15. Explain any two application of OOP'S.
16. Differentiate between float and double datatypes.
17. Write the purpose of using break and exit.
18. Explain the usage of scrollbar and status bar.

PART - C

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

19. Explain the differences between ROM and RAM.
20. Evaluate : $BEAD_{(16)}$ = $?_{(10)}$ = $?_{(2)}$ = $?_{(8)}$
21. Explain any three functions of OS.
22. Explain the features of structure programming.
23. Explain any 3 characteristics of C++.
24. What is a Stream? Explain its types.
25. Define String. Write the syntax and example to declare a String variable.
26. Explain structure definition with suitable programming example.

PART - D

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

27. Mention features of second generation computers.

28. Subtract $49_{(10)}$ from $56_{(10)}$ using 1's compliment method.
29. Draw the flowchart for calculating the factorial of a number.
30. Explain the general structure of C++ program.
31. Differentiate between while and do while statements.
32. Write a C++ program to illustrate switch statement with an example.
33. Define Array. Explain different types of initializing 1D Array.
34. Explain the concept of function with argument and without return value. Write a suitable example.
35. Classify various types of built in functions in ESS.
36. Explain the steps involved in drawing a chart.
37. Explain any five tags of HTML.

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