Computer Science – Class XI

One Mark Questions

1. Who is known as the world's first computer programmer?

2. Expand ASCII

3. Pictorial representation of an algorithm is known as --------------------

4. float A[10];

   Find the amount of memory allocated for the above array declaration.

5. Name the header file required for using string functions in a C++ program.

6. Which of the following device is used to interconnect two different networks having different protocols

   (Switch, Gateway, Router, Hub)

Two Mark Questions

7. List the four components of Von-Neumann architecture.

8. Write short note on third generation computers.

9. Find the dual of $A.B + B.C = 1$

10. Convert $(72)_{10}$ to binary.

11. Name any four CPU registers.

12. Write short note on cache memory.

13. What do you mean by free and open source software?

14. List advantages of flowcharts.

15. If(a>b)

      cout<<a;

    else

      cout<<b;

    Convert the above statement using conditional statement.

16. Compare 'break' and 'continue' statements.

17. What are the operations performed in an array?

18. Declare a character array to store the string "computer science"

Three Mark Questions

19. Find the 2's complement of $(-25)_{10}$

20. Draw a flowchart to check whether a number is even or odd.

21. Explain the three types of errors in a program.

22. List the rules for naming an identifier in C++

23. Differentiate implicit and explicit type conversion.

24. Explain the jump statements in C++

25. Differentiate linear search and binary search.

26. List any six character functions in C++

27. Explain any three data communication devices.

28. Explain the advantages of e-mail.

Five Mark Questions

29. a) Define software   (1)

    b) Compare compiler and interpreter   (2)

    c) Categorize the following   (2)

       MS Word, MS Excel, MS Access, VLC Player

30. a) Name an exit controlled loop in C++   (1)

    b) Write the syntax of for loop.   (2)

    c) Rewrite the following C++ code segment using for loop   (2)

```
int m;
while(m<10)
  {
      cout<<m;
      m++;
  }
```

31. Briefly explain network topologies.

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