HSL

11 - Std

Time : 3.00 Hrs.

HALF YEARLY EXAMINATION - 2023
COMPUTER SCIENCE SALEM DISTRICT

MARKS: 70

PART – I

Note:(1) Answer all the questions (ii)choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

15 X 1=15

1. Which of the following is not a part of the microprocessor unit ?
   (a) Cache Memory   (b) ALU   (c) Register   (d) Control Unit

2. For 1101 the Hexadecimal equivalent is:?   (a) F   (b) D   (c) B   (d) E

3. Which generation of computer used ICs?   (a) Third   (b) First   (c) Fourth   (d) Second

4. If C1 is false and C2 is true, the compound statement?
   1. if C1
   2. S1
   3. else
   4. if C2
   5. S2
   6. else
   7. S3
   Executes   (a) S2   (b) S3   (c) S1   (d) None

5. Which command is used to 'Paste' ?
   (a) Edit—Paste   (b) View –Paste   (c)File—Paste   (d) All of the above

6. Which of the following is single user operating system?
   (a) Linux   (b) MS-DOS   (c) UNIX   (d) Windows

7. How many times the following loop will be executed ?
   For (inti=1; i<10;i++)
   (a) 11   (b) 9   (c) 0   (d) 10

8. How many categories of data types are available in C++ ?(a) 3 (b) 5 (c) 2 (d) 4

9. Who developed C++ ?
   (a) Bill Gates   (b)Charles Babbage   (c) Sundar Pichai   (d) Bjarne Stroustrup

10. Write once and use it multiple time can be achieved by:?
    (a) Modification   (b) Redundancy   (c) Composition   (d) Reusability

11. which be of the following is the collection variables of the same type that are referenced by common name? (a) Array   (b) int   (c) class   (d) float

12. int x= 10;
    int main( )
        {
    int x = 100;
    cout< :: x;
        }
    The output for the above snippet is   (a) 100   (b) 10   (c) 0   (d) x

13. The functions that perform specific tasks in a class is called
    (a)Inline functions   b) Data members   (c) memberfunctions   (d) Online functions

14. Which of the following deals with procedures ,practices with values ?
    (a) Virus   (b) Computer Ethics   (c) Piracy   (d) Programs

15. Which is not a search engine ?   (a) Android   (b) Bing   (c) Yahoo   (d) google

PART – II

ANSWER ANY SIX, QUESTION NUMBER : 24 IS COMPULSARY.   6 X 2= 12

16. What are the importance of void data types?

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17. What is TSCII ?
18. Define Algorithm ?
19. What are the Function Over loading ?
20. What is Syntax to declare two – dimensional Array ?
21. What are called Standard Icons ?
22. What is Function Overloading ?
23. Convert (57) decimal number in to Binary Number.?
24. Name of the popular operating systems used in personal computers and Mobile Devices ?

PART – III

ANSWER ANY SIX ; QUESTION NUMBER : 33 IS COMPULSARY.   **6 X 3= 18**

25. Write the characteristics of Sixth generation computers ?
26. Write about strcmp() function ?
27. What is the null statement and compound statement ?
28. Write the syntax and purpose of Switch Statement ?
29. What are the rules for function overloading?
30. Explain about classification of Micro processor based on the Data Width ?
31. What is the role of firewalls ?
32. What is the uses of a Header files ?
33. Write a note on Recycle bin ?

PART – IV

ANSWER THE FOLLOWING.   **5 X 5 =25**

34. Explain the basic components of a computer with neat diagram? **(OR)**
    Explain the types of ROM ?
35. What is an entry control loop? Explain any one of the entry controlled loop with suitable example? **(OR)**
    Explain scope of variable with example ?
36. Explain the Versions of windows Operating Systems? **(OR)**
    What are the advantages of OOPs?
37. Mention the differences between constructor and destructor? **(OR)**
    Explain the Types of Errors?
38. Write the specification o an algorithm for computing the square root of a number?
    (OR) Find the output of following program.

```
#include <iostream>
using namespace std;
int main()
{
        intnum[10],even=0,odd=0;
        for(int 1=0;i<10;i++)
        {
                cout<<"\n Enter the Number"<<i+1<<"=";
                cin>>num[i];
                if (mun[i]%2==0)
                    ++even;
                else
                    ++odd;
        }
cout<<"\n There are"<<even<<"Even Numbers";
cout<<"\n There are"<<odd<<"Odd Numbers";
}
```

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