SECOND MID TERM TEST - 2024

STANDARD - XI

COMPUTER SCIENCE

MARKS:50

TIME: 1.30 hrs

PART - A

I Choose the best answer (All questions are compulsory)　　　　10x1=10

1. Which of the following header file defines the standard I/O predefined functions
   a) Stdio.h　　b) Math.h　　c) String.h　　d) Ctype.h

2. Which of the following is the scope operator
   a) >　　b) &　　c) %　　d) ::

3. Cin>>n[3]; to which element does this statement accept the value.
   a) 2　　b) 3　　c) 4　　d) 5

4. When accessing a structure member, the identifier to the left of the dot operator is the name of
   a) Structure variable　　b) Structure tag
   c) Structure member　　d) Structure Function

5. Which of the following is a user defined data type
   a) class　　b) float　　c) int　　d) object

6. Insulation of the data from direct access by the program is called as
   a) data hiding　　b) Encapsulation　　c) Poly morphism　　d) Abstraction

7. Which of the following supports the transitive nature of data.
   a) inheritance　　b) Encapsulation　　c) polymorphism　　d) Abstraction

8. The variables declared inside the class are known as
   a) data　　b) inline　　c) method　　d) attributes

9. A member function can call another member function directly without using the dot operator called as
   a) Sub function　　b) Sub member
   c) nesting of member function　　d) Sibling of member function

10. Which of the following access specifier protects data from inadvatent midificeations?
    a) private　　b) protected　　c) public　　d) Global

PART - B

II Answer any five of the following. Question No. 17 is compulsory.　　　　5x2=10

11. Write about Strlen() function.
12. What are importance of void data type?
13. What is string?
14. What is the Syntax to declare two - dimensional array?
15. Differentiate classes and objects.
16. What is polymorphism?
17. Write down the importance of destructor.

PART - C

III Answer any five Questions. Question number 22 is compulsory.   5x3=15

18. What is the difference between isupper() and to upper() functions?
19. Write about Strcmp() function.
20. Define an Array? What are the types?
21. How to access members of a structure? Give example.
22. Rewrite the following program after removing the syntax errors if any and underline the errors.

```
# include < Iostream>
$ include < stdio.h>
class my stud
{int Studid = 1001;
    Char name [20];
Public
my shud()
{}
Void register()
{cin>>stdid; gets (name);
}
void.display ()
{Cout<<studid<<";"<<name<<endl;
}
int main()
{my stud ms;
register.ms();
ms.display();
}
```

23. What is paradigm? Mention the different types of paradigm.
24. Define information hiding.

PART - D

IV Answer all the Questions.   3x5=1

25. a) Explain call by value method with suitable example.   (OR)
    b) Explain scope of variable with example.

26. a) Write a c++ program to add two distance using the following structure definition
    ```
    Struct Distance {
    int feet;
    float inch;
    }d1,d2,Sum;
    ```
                                                                    (OR)
) Write a c++ program to find the difference between two matrix.

27. a) What are the advantages of oops.   (OR)
    b) Mention the difference between Constructor and destructor.

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