

**Class : 11**Register  
Number**SECOND MID TERM TEST - 2024**

Time Allowed : 1.30 Hours]

**COMPUTER SCIENCE**

[Max. Marks : 50

**PART - I****I. Answer all the questions:****10X1 =10**

1. Which of the following is the scope operator?  
(a) > (b) & (c) % (d) ::
2. Which function begins the program execution?  
(a) isalpha() (b) isdigit() (c) main() (d) islower()
3. Which is return data type of the function prototype of add(int, int); ?  
(a) int (b) float (c) char (d) double
4. int age[]={6,90,20,18,2,7}; How many elements are there in this array?  
(a) 2 (b) 5 (c) 6 (d) 4
5. By default, a string ends with which character?  
(a) \0 (b) \t (c) \n (d) \b
6. 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
7. Which of the following is a user defined data type?  
(a) class (b) Float (c) int (d) Object
8. Insulation of the data from direct access by the program is called as  
(a) Data hiding (b) Encapsulation (c) Polymorphism (d) Abstraction
9. Which of the following is the most important advantage of inheritance?  
(a) Data hiding (b) Code reusability (c) Code modification (d) Accessibility
10. Structure definition is terminated by  
(A) : (b) } (C) ; (d) ::

**PART - II****II. Answer any 5 questions: (Q.no: 17 Compulsory)****5x2=10**

11. What is importance of Void data type.
12. Write a note on Local Scope.
13. What is the syntax to declare two – dimensional array.
14. Define structure. What is its use?
15. Write the disadvantages of OOP.
16. What is Polymorphism?
17. Find the output of the following coding.

```
#include using namespace std;
int main()
{
    int num[5] = {10, 20, 30, 40, 50};
    int t=2;
    cout<<num[0]<<endl;
    cout<<num[3+1]<<endl;
    cout<<num[t=t+1];
}
```

**PART - III****III. Answer any 5 questions: (Q.no: 24 Compulsory)****5x3=15**

18. Write about strcmp() function.
19. What are default arguments? Give example.

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20. Write note on an Array of Strings.  
 21. What is called Anonymous structure. Give an example.  
 22. Define Information Hiding.  
 23. What is the difference between isupper() and toupper() functions ?  
 24. What is Paradigm? Mention the different types of Paradigms.

**PART - IV**

**IV. Answer the following questions:**

3x5=15

25. (a) Explain Call by value method with suitable example.  
 (OR)  
 (b) Explain Scope of variable with example.
26. (a) Write the differences between Object Oriented Programming and Procedural Programming.  
 (OR)  
 (b) What are the advantages of OOPs?
27. (a) Write a note on the basic concepts that supports OOPs?  
 (OR)  
 (b) Write the output of the following.

```
#include<iostream>
#include<stdio>
#include <string>
#include<conio>
using namespace std;
struct books {
    char name[20], author[20];
} a[50];
int main()
{
    clrscr();
    cout<< "Details of Book No " << 1 << "\n";
    cout<< "----- \n";
    cout<< "Book Name :"<<strcpy(a[0].name,"Programming ")<<endl;
    cout<< "Book Author :"<<strcpy(a[0].author,"Dromy")<<endl;
    cout<< "\nDetails of Book No " << 2 << "\n";
    cout<< "----- \n";
    cout<< "Book Name :"<<strcpy(a[1].name,"C++programming" )<<endl;
    cout<< "Book Author :"<<strcpy(a[1].author,"BjarneStroustrup ")<<endl;
    cout<< "\n\n";
    cout<< "=====\n";
    cout<< " S.No\t| Book Name\t|author\n";
    cout<< "=====";
    for (int i = 0; i < 2; i++) {
        cout<< "\n " << i + 1 << "\t" << a[i].name << "\t" << a[i].author;
    }
    cout<< "\n=====";
    return 0;
}
```

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