

Std : 11

SECOND MID TERM TEST - 2024

Time: 1.30 Hrs.

COMPUTER SCIENCE

Max.Marks : 35

Answer all the questions

PART - A

10 x 1 = 10

- Which function is used to check whether a character is alphanumeric or not?
(a) isalpha() (b) isdigit() (c) isalnum() (d) islower()
- Which of the following is the scope operator?
(a) > (b) & (c) % (d) ::
- Which Functions defined in stdio.h header file?
(a) getchar(), putchar() (b) gets(), puts() (c) option a and b (d) ::
- int arr[]={6,90,20,18,2}; How many elements are there in this array?
(a) 2; (b) 3 (c) 4 (d) 5
- 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
- How much memory space is allocated for the array price of the statement float price[3];?
(a) 3 bytes (b) 6 bytes (c) 12 bytes (d) 24 bytes
- Which of the following is a user defined data type?
(a) class (b) float (c) int (d) object
- Insulation of the data from direct access by the program is called as ?
(a) Encapsulation (b) Polymorphism (c) Data hiding (d) Data abstraction
- FORTRAN and COBOL are based on which type of programming?
(a) Modular programming (b) Procedural programming (c) Object oriented programming (d) None of above
- The default return type of a function in C++ is _____ type.
(a) char (b) double (c) float (d) int

Answer any three questions (Q.no.15 is compulsory)

PART - B

3 x 2 = 6

- Define Function.
- What is polymorphism?
- What is the syntax to declare two - dimensional array.
- What is the use of void data type?
- Define structure. What is its use?

PART - C

3 x 3 = 9

- What is the difference between isupper() and toupper() functions ?
- What is called anonymous structure .Give an example
- Write about strcmp() function.
- Define an Array ? What are the types?
- What is paradigm ?Mention the different types of paradigm.

PART - D

5 x 2 = 10

Answer all the questions.

- Explain Call by value method with suitable-example in C++. (or)
What are the advantages of OOPs?
- Explain scope of variable with example. (Or)

Write the output for the following code.

```
#include <iostream>
#include <string.h>
using namespace std;
struct student
{
    int roll_no;
    char name[10];
    long phone_number;
};
```

int main()

```
{
    student p1 = {1,"Brown",123443},p2;
```

```
p2.roll_no = 2;
strcpy(p2.name, "Sam");
p2.phone_number = 1234567822;
cout << "First Student" << endl;
cout << "roll no : " << p1.roll_no << endl << "name : " << p1.name << endl;
cout << "phone no : " << p1.phone_number << endl;
cout << "Second Student" << endl;
cout << "roll no : " << p2.roll_no << endl << "name : " << p2.name << endl;
cout << "phone no : " << p2.phone_number << endl;
return 0;
}
```