D. SRINIVAASAN. M.COM., M.Ed.,

11

Reg. No. [   ]

Second Mid-Term Test - 2018

Time : 1.30 hrs.   **COMPUTER SCIENCE**   Max. Marks : 50

PART - I

Choose the correct answer   **10 x 1 = 10**

1. C++ is originally derived from.......language.
   a) unix b) linux c) java d) C

2. ....Escape sequence is used to backspace
   a) /b b) /n c) /r d) //

3. C++ provides...........operator is get from operator
   a) >> b) << c) < > d) ^^

4. What is the alternate name of null statement?
   a) No statement b) Empty statement c) Void statement
   d) Zero statement

5. The multi way brancing statement
   a) if b) if...else c) switch d) for

6. .....statement is a jump statement which terminates the execution of loop. a) goto b) break c) continue d) skip

7. ....header file defines various operations on character.
   a) ctype.h b) string.h c) <iostream.h> d) none of these

8. Which is return data type of the function prototype of add (int, int) a) float b) char c) double d) int

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

10. ....function returns the square root of the given value.
    a) sqrt( ) b) sin( ) c) cos( ) d) strlen( )

PART - II

Answer the following any 5 questions.   **5 x 2 = 10**
Question No.17 compulsory.

11. Assume that R starts with value 45 what will be the value of S from the following expression? $S = (R - -) + (++R)$

12. Write note on identifiers in C++?

13. What is control statements in C++?

14. Differentiate if and if-else.

15. Write the advantages of functions in C++?

16. What is inline functions.

17. Differentiate isalnum( ) function and isalpha( )

PART - III

Answer the following any 5 questions.   **5 x 3 = 15**
(Q.No.24 compulsory)

18. Write note on Bitwise shift operators?

19. What is type conversion? Write its types of conversion.
20. Differentiate between while and do...while loops in C++?
21. Write the C++ program to find greatest of two numbers using conditional operator.
22. Differentiate between switch( ) and if-else statements in C++.
23. Write note on types of function in C++.
24. Write short note on the following functions in C++
    i) isdigit( )   ii) islower( )   iii) isupper( )

PART - IV

Answer the following in detail   **3 x 5 = 15**

25. Explain important steps to creating and executing in C++ program. **(OR)** Explain C++ Data types with example.
26. What entry control loop? Explain any one of the entry control loop with suitable example. **(OR)**
What is the following output in C++ program.

```
#include <iostream.h>
using namespace std.
int main( )
    {
int n = 10 ;
do
    {
cout <<n<<"," ;
n – – ;
    } while (n > 0)
}
```

27. Explain scope of variable with example? **(OR)**
Debug the following C++ program

```
include <iostream.h>
int display [ ]
    {
int a : b : c ;
cout >> "Enter 2 numbers" ;
cin <<a<<b ;
s = = a + b ;
return  s ;
    }
int main ( )
    {
int m = display [ ]
cout <<"/n The sum =" << m ;
return [0] ;
    }
```