

G. Raghav

XI-IC
NSHSS, Theni**SECOND MID TERM TEST - 2023****Standard - XI****COMPUTER SCIENCE**Reg.No.

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 34

Time: 1.30 hrs.

Marks: 50

PART - A**I. Choose the correct answer:**

10×1=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 function is used to check whether a character is alpha numeric or not.
a) isalpha () b) isdigit () c) isalnum () d) islower ()
3. Which function begins the program execution?
a) isalpha () b) isdigit () c) main () d) islower ()
4. Which is return type of the function proto type of add (int, int) ; ?
a) int b) float c) char d) double
5. Which of the following is the scope operator?
a) > b) & c) % d) ::
6. Which of the following is the collection of variables of the same type that are referenced by a common name?
a) int b) float c) array d) class
7. cin >> n[3] ; To which element does this statement accept the value?
a) 2 b) 3 c) 4 d) 5
8. By default, a string ends with which character?
a) \0 b) \t c) \n d) \b
9. Which of the following is a user defined data type?
a) class b) float c) int d) object
10. "Write once and use it multiple time" can be achieved by
a) redundancy b) reusability c) modification d) composition

PART - B**II. Very short answers. (Compulsory Q.No.14)**

5×2=10

- 11. Define functions.
- 12. Write about strlen() function.
- 13. What are importance of void data type.
- 14. Write the syntax to declare two - dimensional array.
- 15. Define structure. What is its use?
- 16. Differentiate classes and objects.
- 17. What are called members?

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PART - C

III. Short Answers (Compulsory Q.No.18)

5×3=15

- 18. What is the difference between isupper() and toupper() functions?
- 19. Write short note on pow () function in C ++.
- 20. What is default arguments? Give example.
- 21. Define an array? What are the types?
- 22. Write an Array of strings.
- 23. List some of the features of modular programming.
- 24. Define information hiding.

PART - D

IV. Explain in detail:

3×5=15

25. a) Explain call - by value method with an example.

(OR)

- b) Write the output of the following c++ program.

include < iostream >

include < string >

using namespace std;

struct student

{

int regno ;

char name [10] ;

};

Void main ()

{

student S1 = {120707, "Bjarne Stroustrup"} ;

cout << "student info" << endl ;

cout << "Register number :" << S1.regno << "\n" ;

cout << "Name :" << S1.name;

}

26. a) What are the difference between constructor and Destructor?

(OR)

- b) What are the different forms of function return? Explain with example.

27. a) Explain scope of variable with an example.

(OR)

- b) What are the advantages of oops?

★★★★/★★★★