



## 18CSS101J-PPS CT1 Questions

Programming For Problem Solving (SRM Institute of Science and Technology)



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**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**

Ramapuram Campus

**Department Of Computer Science and Engineering**

**18CSS101J- PROGRAMMING FOR PROBLEM SOLVING**

**CONTINUOUS LEARNING ASSESMENT-1**

**SET - B**

**Branch-B.Tech-CSE & specialization with AIML,CS,BDA & IOT**

**Marks: 25**

**Date: 18-05-2021**

**Year/Sem-I/II**

**Duration:60 Minutes**

**Part – A (25 X 1 = 25 marks)**

**Answer all the questions**

1. To represent process flow, which of the following is used?

- a) Rectangle
- b) Diamond
- c) Circle
- d) **Parallelogram**

2. In the below mentioned operators, which of the following has the highest precedence?

- a) **Unary +**
- b) \*
- c) >=
- d) ==

3. Which of the following is a valid assignment operator?

- a) +=
- b) -=

c) \*=

d) **All of the mentioned**

4. Give the correct answer for the following C code?

```
#include <stdio.h>
void main()
{
    int x = 4, y, z;
    y = --x;
    z = x--;
    printf("%d%d%d", x, y, z);
}
```

- a) 3 2 3
- b) 2 2 3
- c) 3 2 2
- d) **2 3 3**

5. Mention the variable name which is not valid in C ?

- a) int number;
- b) float rate;
- c) int variable\_count;
- d) **int \$main;**

6. Which is not a basic data type ?

- a) float
- b) int
- c) real
- d) char

- a) friend
- b) value\_ab
- c) %number
- d) export

7. Name the entities whose values can be changed?

- a) Constants
- b) Variables
- c) Modules
- d) Tokens

11. What is short int in C programming?

- a) Basic datatype of C
- b) Qualifier
- c) short is the qualifier and int is the basic data type
- d) All of the mentioned

8..Name the father of C Language?

- a) James
- b) Dr.E.F.Codd
- c) Dennis Ritchie
- d) Bjarne Stroustrup

12. An algorithm is not

- a) a set of instructions used for solving problems in a step-by-step manner
- b) Ordered sequence of steps
- c) Description of a process independent of any programming language.
- d) Infinite number of steps

9. Which among the following options is true for the variable names in C?

- a) They can contain alphanumeric characters as well as special characters
- b) It is not an error to declare a variable to be one of the keywords(like goto, static)
- c) Variable names can't start with a digit
- d) Variable can be of any length

13. Output of this C code is ?

```
int main()
{
char chr;
chr = 128;
printf("%d\n", chr);
return 0;
```

10. Which of the following can never be a variable name in C?

}

- a) 128
- b) -128
- c) Depends on the compiler
- d) None of the mentioned

14. Which of the following is not a storage class in C?

- a) automatic storage class
- b) register storage class
- c) external storage class
- d) internal storage class

15. Single line comments are denoted by \_\_\_\_\_.

- a) //
- b) \\\
- c) /\*
- d) \*/

16. Many features of C were derived from an earlier language called \_\_\_\_\_.

- a) FORTRAN
- b) BASIC
- c) B
- d) PASCAL

17. Name the method which uses a list of well-defined instructions to complete a task

- a) Algorithm
- b) Flowchart
- c) Programs
- d) Functions

18. What will be the output of the following pseudocode?

```
Integer a, b
Set a = 15, b = 7
a = a mod (a - 3)
b = b mod (b - 3)
a = a mod 1
b = b mod 1
Print a + b
```

- a) 15
- b) 7
- c) 2
- d) 0

19. Resolving errors in a program is known as...

- a) **Debugging**
- b) Refixing
- c) Error Checking
- d) Problem Solving

20. C Programming was created at ?

- a) MIT University
- b) **AT&T Bell Laboratory**
- c) L&T Laboratory
- d) Haward University

21. . A box that can represent two different conditions.

- a) Rectangle
- b) **Diamond**
- c) Circle
- d) Parallelogram

22. What is the output of this statement "printf("%d", (p++))"?

- a) value of (p+1)
- b) **current value of p**
- c) garbage value
- d) Error.

23. Find the output of the program?

```
void main()
{
    int n=5;
    float n=5;
    printf("%d",x);
}
```

- a) 5
- b) 5.000000
- c) **Compilation Error**
- d) 5.1

24. What will this program print?

```
main()
{
    int i = 2;
    {
        int i = 4, j = 5;
        printf("%d %d", i, j);
    }
    printf("%d %d", i, j);
}
```

- a) **4525**
- b) 2525
- c) 4545
- d) 5454

25. How many bytes does "int = D" use?

1. 0
2. 1
3. 2 or 4
4. 10