
Question Bank for C Programming Language (BCAN – 103 & 193)

- Questions for one marks -

- What is variable?
- What is constant?
- How many bytes are required to store integer type value?
- How many bytes are required to store float type value?
- How many bytes are required to store char type value?
- How many bytes are required to store double type value?
- What is main difference between variable and constant?
- What is local variable?
- What is global variable?
- How long is word?
- How long is a byte?
- Whether the program in c can be executed by computer directly?
- What is language processor?
- What is purpose of language processor?
- What are major disadvantages of machine code?
- Give the general syntax of conditional operator?
- Which are relational operator?
- Which are logical Operators?
- Which are Bitwise Operators?
- Which are unformatted input output functions?
- Which are formatted input output functions?
- What is the use of getchar() function?
- What is the use of getch() function?
- What is the use of getche() function?
- What is I/O Function?
- What do you mean by console I/O functions?
- Give syntax of simple if statement
- Give syntax of simple if – else statement
- Give syntax of simple nested if – else statement?
- Define Program.
- What is nested loop?
- What is Syntax Error?
- What is Logical Error?
- What is Run Time Error?
- Define Array
- Give general Syntax to declare One dimensional array
- Give general Syntax to declare two dimensional array

- What is function?
- What is built in function?
- What is use of return statement?
- What is the use of strcat() function?
- What is the use of strcmp() function?
- What is the use of strrev() function?
- What is the use of strlen() function?
- What is the use of strcpy() function?
- What is recursive function?
- What do you mean by call by value?
- What do you mean by call by reference?
- What is pointer?
- What is structure?
- What is main difference between structure and union?
- What is use of typedef?
- What is pre-processor?
- Give any two features of pre-processor.

- Question for two marks -

- What are the three constants used in C?
- Explain bitwise left shift operator?
- What is unary operator?
- Explain putchar()?
- What is an expression? How is an expression differing from variables?
- Explain primary data types used in C?
- How to Comment out this statement "C is mid-level language"?
- Explain escape sequence character in C?
- What is use of if statement?
- Write a syntax of while loop?
- What is output of following program?

```
int m=1,n=2;
for(j=1;j<=2:j=j+1)
{
m=m+1;
n=n*j;
printf("%d \t %d\t",m,n);
}
```
- Which of different types of loop statement used in C?
- Explain for loop?
- Enlist different format specifiers in C?
- What is an array?
- What are the rules to declare one dimensional array?

- What is multidimensional array?
- Explain- a) strlen() b) strcat()
- What is function?
- Explain recursion vs. iteration?
- What is call by value & call by reference?
- Explain any two string functions?
- What is variable?
- Write disadvantages of goto statement.
- What is pointer?
- State three advantages of function?
- What is purpose of keyword void?
- What is mean by operator precedence?

- Questions for 4 marks -

1. Enlist the features of C.
2. Explain different data types used in C language?
3. Explain type identifiers in C?
4. Explain in brief structure of C programming?
5. What is operator enlist all operators used in C?
6. What is data type explain the any four data types used in C language?
7. Explain the difference between '=' and '==' operator explain with example?
8. Write a short note precedence & order of evaluation?
9. Differentiate between relational and logical operators used in C?
10. Write short note on Input & Output functions used in C?
(i.e. printf & scanf functions)
11. What is variable? What are the rules for defining variables?
12. Differentiate between local variable and global variable?
14. Explain any two bitwise operator with suitable example.
15. Explain with example ++i and i++.
16. Explain logical operators and expressions used in C?
17. Explain the following functions

i) getch() and ii) clrscr()

18. Explain printf() function with an example
19. Explain scanf() function with an example
20. Explain syntax and use of Do-While statement
21. Which looping statements does C provides?
22. Explain **continue And break** statements
23. Explain switch statement with its syntax and example.
24. What is Nested if else explain with an example?
25. Explain nested for loop with an example
26. What is array? How to declare array? Explain with suitable example.
27. Explain one dimensional array with an example
28. Explain two dimensional array with an example
29. Explain applications of array
30. Explain any 4 string functions with suitable example?
31. What is the difference between call by value and call by reference.
32. What is recursion explain with suitable example.
33. Explain Automatic storage class specifier.
34. Explain Static storage class.
35. Explain Register storage class.
36. Explain Extern storage class.
37. What is function? How function is defined.
38. Explain the difference between calling function and called function?
39. Explain void function?

40. Explain what is pointer? Explain with suitable example.
65. Differentiate between if-else-if and switch statement.
66. Define array and how two – dimensional array is initialize?
67. What are static variable? Compare with standard local variable.
68. What is type casting? Explain it with suitable example.
69. What is swapping? Explain it with suitable example.
70. Write a short note on ternary operator and cast operator.
71. Explain the following bitwise operators -
 - i) Bitwise AND
 - ii) Bitwise OR
 - iii) BitwiseXOR
 - iv) Bitwise Left Shift
 - v) Bitwise Right Shift
72. What is modulus operator and how does it operate in C.
73. What is an expression?
74. How is an expression different from the variables?

13. 34. Explain void function?

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19. Explain- a) strlen() b) strcat()

What is function?

Explain recursion vs. iteration?

What is call by value & call by reference?

Explain any two string functions?

What is variable?

Write disadvantages of goto statement.

What is pointer?

Difference between union and structure.

What is structure?

a)

getc(

)

b) putc()

Explain

Explain #include?

Explain dynamic memory allocation?

State three advantages of function?

What is purpose of keyword void?

Determine the value of each of following expression-

int i=8 , j=j ; a) (3 * i - 2 * j) %(2 * d -c) b) (i > 0) && (j < 5)

35. What is mean by operator precedence?

36. If $x = 8.8, y = 3.5, z = -5.2$, then determine value of following expression -

$* y + 3 * (x - z) b) 2 * x / (3 * y)$

Describe arithmetic operator?

Explain scanf();

Difference between formatted & unformatted statement?

State features of pre-processor?

What is command line argument?

Define variable & constant?

How static variable are define and initialized?

What is mean by storage class of variable?

Write a program to find largest between two numbers?





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