

103 : Introduction to Programming Language

કુલ સમય :- : ૬૦ મીનીટ

કુલ પ્રશ્નો : ૫૦

વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

- Who invited C Language?
A. Charles Babbage B. Bill Gates C. Dennis Ritchie D. Steve Jobs
- In which Year C was Developed?
A. 1970 B. 1970 C. 1980 D. 1985
- Which is responsible to convert source code to machine code?
A. An Editor B. A compiler C. An operating system D. None of the above
- A C variable name can start with a ____
A. Number B. Plus Sign (+) C. Underscore D. Asterisk (*)
- Choose Correct statement about constant in C.
A. Constants have fixed values that do not change during the execution of a program
B. Constants have fixed values that change during the execution of a program
C. Constants have unknown values that may be change during the execution of a program
D. None of the above
- Choose correct User-defined data type.
A. typedef int Boolean; B. typedef enum {Mon, Tue, Wed, Thu, Fri} Workdays;
C. struct {char name[10], int age}; D. All of the mentioned
- The precedence of arithmetic operators is (from highest to lowest)?
A. %, *, /, +, - B. %, +, /, *, - C. +, -, %, *, / D. %, +, -, *, /
- Can you use C Modulo Division operator % with float and int?
A. Only int variables = Okay B. Only float variables = Okay
C. int or float combination = Okay D. Numerator int variable, Denominator any variable = Okay
- The format identifier '%i' is also used for ____ data type?
A. char B. int C. float D. double
- What is the size of a float data type?
A. 2 Bytes B. 8 Bytes C. Depends on the system/compiler D. Cannot be determined.
- What is the Priority of C Logical Operators.? NOT (!), AND (&&) and OR (||)
A. NOT (!) > AND (&&) > OR (||) B. NOT (!) > AND (&&) = OR (||)
C. AND (&&) > OR (||) > NOT (!) D. AND (&&) = OR (||) > NOT (!)
- Which one is ternary operator in C language?
A. Logical operator B. Relational operator C. Assignment operator D. None of the above
- Choose correct operator for Binary level Programming.
A. Logical operator B. Bitwise operator C. Additional operators D. None of the above
- Choose Correct statement for getchar().
A. The next input character each time it is called B. EOF when it encounters end of file
C. The next input character each time it is called EOF when it encounters end of file D. None of the mentioned
- What is the return value of putchar ()?
A. The character written B. EOF if an error occurs
C. Nothing D. Both character written & EOF if an error occurs
- Which function is used to read data as an input from keyboard?
A. Scanf () B. Get() C. Printf() D. None of the mentioned
- A "switch" statement is used to
A. Switch between functions in a program
B. Switch from one variable to another variable
C. To choose from multiple possibilities which may arise due to different values of a single variable
D. All of above
- Which of the following is branching statement of C language?
A. if statement B. if...else statement C. switch statement D. All of these
- _____ is the built in multi way decision statement in C.
A. for B. switch C. if D. while
- The default case is compulsory in the switch case statement.
A. True B. False C. Both A and B D. None of these
- The break statement is optional in the switch-case statement
A. True B. False C. Both A and B D. None of these
- This Loop tests the condition after having executed the Statements within the Loop.
A. while B. do-while C. for Loop D. if-else-if
- Which of the following is an invalid if-else statement?
A. if (if (a == 1)) {} B. if (a) {} C. if ((char) a) {} D. if (func1 (a)) {}
- The continue statement cannot be used with
A. for B. while C. do while D. switch
- do-while loop terminates when conditional expression returns?
A. One B. Zero C. Non - zero D. None of the above
- Choose Correct statement about array.
A. Objects of mixed data types can be stored B. Elements in an array cannot be sorted
C. Index of first element of an array is 1 D. Easier to store elements of same data type

27. Elements in an array are accessed _____.
 A. randomly B. sequentially C. exponentially D. logarithmically
28. An array Index starts with _____.
 A. -1 B. 0 C. 1 D. 2
29. Choose Correct statement about string.
 A. String is a new Data Type in C
 B. String is an array of Integers with 0 as the last element of array
 C. String is an array of Characters with null character as the first element of array
 D. String is an array of Characters with null character as the last element of array.
30. What is the output of C Program with Strings.?

```
int main()
{
    char str[]={'M','S','c','I','T','\0'};
    printf("%s",str);
    return 0;
}
```

 A. M B. MSCT\0 C. MSCT D. Compiler error
31. _____ is used to Join two String.
 A. strepy() B. strcat() C. strncon() D. memcon()
32. Strcmp() is used to _____.
 A. compares the first n characters of the object B. compares the string
 C. undefined function D. copies the string
33. _____ is called recursive function.
 A. Self Function B. Nested function C. A function called it self D. Static Function
34. How many values can a C Function return at a time?
 A. Only One Value B. Maximum of two values C. Maximum of three values D. Maximum of 8 values
35. If the function returns no value then it is called _____.
 A. Data type function B. Calling function C. Main function D. Void function
36. The variable declaration with no storage class specified is by default:
 A. auto B. extern C. static D. register
37. What is a structure in c language?
 A. A structure is a collection of elements that can be of same data type.
 B. A structure is a collection of elements that can be of different data type
 C. Elements of a structure are called members
 D. All of the above
38. What is the size of c structure?
 A. C structure is always 256 bytes B. Size of the structure is the total bytes of all elements of structure
 C. Size of the structure is the size of largest element D. None of the above
39. Choose the correct statement about c structures.
 A. Structure elements can be initialized at the time of declaration.
 B. Only integer members of the structure can be initialized at the time of declaration
 C. Structure elements cannot be initialized at the time of declaration.
 D. None of the above
40. What is the size of c union?
 A. Size of the union is the size of largest element B. Size of the union is the total bytes of all elements of Union
 C. C union is always 128 bytes D. None of the above
41. Size of the following union (assume size of double =8, float=4 and char=1)

```
union abc
{
    Float a; double b; char c;
};
```

 A. 4 B. 8 C. 1 D. 13
42. What are the types of data allowed inside a structure?
 A. int , float, double, long double B. char , enum, union C. pointers and same structure type members D. All of the above
43. User defined data type can be derived by _____.
 A. struct B. enum C. typedef D. All of the above
44. Which operator connect structure variable to its member in structure.
 A. * B. . (dot) C. A and B D. None of Above
45. What is the main difference between structure and union?
 A. Structure is faster B. Union is faster C. Union useless memory D. Structure use Less memory
46. Which of the following true about FILE *fp
 A. FILE is a keyword in C for representing files and fp is a variable of FILE type. B. FILE is a stream
 C. FILE is a buffered stream D. FILE is a structure and fp is a pointer to the structure of FILE type
47. For binary files, a ____ must be appended to the mode string.
 A. "b" B. "B" C. "binary" D. "01"
48. What are the types of C Preprocessor Directives.?
 A. Macros B. Conditional Compilation C. File Inclusion D. All the above
49. A preprocessor is a program.
 A. That processes its input data to produce output that is used as input to another program B. That is nothing but a loader
 C. That links various source files D. All of the mentioned
50. The #include directive
 A. Tells the preprocessor to grab the text of a file and place it directly into the current file C. both a & b
 B. Statements are typically placed at the top of a program D. None of a & b