

C Language

Year 2009-2012

The questions are of equal value

Answer five question selecting not more three from any group

Group - A

1. Define and differentiate algorithm and flow chart? What are the symbols and rules used for making flowcharts?
2. Define program? What are the characteristics of good programming? What are the differences between code and pseudo code?
3. Write short notes on any two of the following:
 - a. Modularity of program
 - b. Compiler
 - c. Identifier
 - d. ANSI-C
4. What are constant and variables? Explain the different type of variable used in 'C'?
5. Describe the different type of operator with their 'associativity' used in C programming?
6. Write a program in C to show whether the text is palindrome or not?

OR

Write a program in C to sort a list of 10 number in ascending order using an array?

7. Write a program in C to get the sum of following series :
$$\text{Sum} = 1*1 + 2*2 + 3*3 + \dots + n*n$$

Or

Write a program to find the largest number from a list of numbers?

8. What is an array ? Explain one and two dimensional array with examples?
9. What is function? What are the advantages and disadvantages of using function in 'C'?
10. Write short notes on any two of the following:
 - a. Looping constructors
 - b. File handling
 - c. Preprocessor
 - d. Sizeof (.) operator