

Programming in C

Year 2010-2013

Answer Any Five Question

1. What do you mean by algorithm? How can an algorithm help to write better computer programs? Write an algorithm to compute simple interest?
2. (a) Write the main components of 'C' program.
(b) What is the meaning of function prototype in a 'C' program?
3. What is function? Give its advantage and disadvantages.
4. What is array? How are the individual elements accessed and processed in an array?
5. What is Tree? What are the advantage and disadvantage of constituting tree?
6. Write a program in 'C' to print 100 even numbers and its sum?
7. Write a program in 'C' to create a linked list?
8. Explain with suitable example:
 - a. Sparse matrix.
 - b. Insertion in a linked list
 - c. BIOS routine
 - d. function and argument
9. Write the syntax of the following :
 - a. switch _____ case.
 - b. do _____ - while
 - c. for loop
 - d. structure
 - e. if _____ else
10. Write short notes on any two of the following:
 - a. Big-O-notation
 - b. File handling
 - c. sorting and searching
 - d. Recursion function.

Question changes are as follows.....

5. what is loop and write their advantages?
7. Explain structure and union? Give their example?