SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
COIMBATORE-35

Department of Information Technology

23CST101 Problem solving and C Programming

PART A

1. Point out any 5-programming language
2. Define an algorithm
3. Distinguish between pseudo code and flowchart.
4. Define control flow statement with an eg:
5. Describe recursion.
6. Discover the concept of towers of Hanoi.
7. Explain list
8. Explain Iteration
9. Define simple computational problem
10. Assess problem solving method.
11. Develop algorithm for Celsius to Fahrenheit and vice versa
12. Define programming language
13. Identify the function types
14. Define computer. And list out the various characteristics.
15. Define algorithm and state its qualities?
16. Differentiate Iteration and Recursion.
17. Describe the variable and list down the rules for variables.
18. Mention the various Tokens in C Programming language.
19. Examine a simple program to print the integer number from 1 to 50
20. Discuss building blocks of algorithm
21. Define Computer Software and list the types of software with an example
22. Draw the flow chart for swapping two numbers without 3rd variable
23. Figure out the pseudo code for checking whether the given number is even or odd

24. List out fundamental rules for an identifier.
25. Give the difference between structure and union
26. Discover the steps of simple strategies for developing algorithms.
27. Differentiate user defined function and predefined function
28. Analyze the notations used in algorithmic problem solving
29. Describe some examples for recursion function