



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE – 35

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (UG
& PG)



Subject Code & Name: 23ITT101 Programming in C & Data Structures

Part B Questions (16 Marks questions)

UNIT – 2

INTRODUCTION TO C PROGRAMMING

1. List all conditional control statements used in C. Explain any two with syntax and example
2. Implement a C program to find the reverse of an integer number and check whether it is palindrome or not
3. What are unconditional control statements? Explain any two with syntax and example
4. Explain switch statement with syntax and example
5. List the differences between while loop and do-while loop. write a C program to find sum of Natural numbers from 1 to N using for loop
6. Write a C program to find the factorial of a number using do-while ,where the number **n** is entered by user.
7. What is two way selection statements? Explain if, if else, and cascaded if-else with examples.
8. Write a „C“ program to demonstrate the use of unconditional goto statement
9. Explain with syntax ,if, if-else and nested if-else statements in „C“ program
10. Explain with syntax , the different loops used in „C“ program
11. Write a program in „C“ to find the sum of „n“ natural numbers without using any loops

12. Show how break and continue statements are used in a C program, with example
13. What is dangling else problem? Explain how to handle tis in C programming
14. Discuss the switch statement in C. How does it differ from if-else statements? Write a C program using if-else statements to find the person is eligible to vote or not.
15. Explain the structure of a for loop in C. Write a program in C to display the first 10 natural numbers using for loop.