



Daffodil International University
Department of Software Engineering
Faculty of Science and Information Technology
Quiz 1, Spring 2026; Course Code: SE 121;
Course Title: Structured Programming; Section: 46 N

Time: 30 Minutes

Marks: 15

Answer ALL Questions

[The figures in the right margin indicate the full marks. All portions of each question must be answered sequentially.]

1.	a) Rewrite the program in a correct and compilable form. #include <stdio.h> int main(){ int a = 10, b = 20, c; if (a = b) printf("a is equal to b\n"); if (a => c) printf("a is greater than or equal to c\n"); if (b =< 30) printf("b is less than or equal to 30\n"); if (a ! c) printf("a is not equal to c\n"); return 0;}	[Marks - 5]				
	b) A C program contains the following declarations and initial assignments: int a = 10, b = 4; int c = 3; Determine the value of each of the following expressions. Use the values initially assigned to the variables for each expression. (i) (a - b) % c (ii) a == b	[Marks - 5]				
2.	a) A university wants to organize students into equal-sized laboratory groups. You are given: - Total number of students in a class - Number of students allowed per group Write a C program that: - Calculates how many complete groups can be formed - Determines how many students will remain without a group <table><tr><th>Sample Input</th><th>Sample Output</th></tr><tr><td>Total students: 53 Students per group: 6</td><td>Complete groups: 8 Remaining students: 5</td></tr></table>	Sample Input	Sample Output	Total students: 53 Students per group: 6	Complete groups: 8 Remaining students: 5	[Marks - 5]
Sample Input	Sample Output					
Total students: 53 Students per group: 6	Complete groups: 8 Remaining students: 5					