



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 O

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 = 5, b = 0; float x = 3.5; char ch = 'A'; if (a > 0 and b == 0) printf("Both conditions are true\n"); printf("Value of a = %f\n", a); printf("Value of x = %d\n", x); printf("Character = %d\n", ch); if (a > 0 b) printf("Logical OR condition satisfied\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) % c (ii) (a == b) (a > b)	[Marks - 5]						
2.	a) A mobile operator provides free bonus minutes based on a user’s call usage.Given: Total call duration in minutes Bonus threshold (minutes) Write a C program that: 1. Calculates how many full bonus blocks are completed 2. Uses an if–else statement to check whether the user is eligible for a bonus If the remaining minutes are 0, display Bonus applied successfully Otherwise, display Bonus not applicable <table><tr><th>Sample Input</th><th>Sample Output</th></tr><tr><td>Total call minutes: 120 Bonus threshold: 30</td><td>Bonus blocks completed: 4 Bonus applied successfully</td></tr><tr><td>Total call minutes: 95 Bonus threshold: 30</td><td>Bonus blocks completed: 3 Bonus not applicable</td></tr></table>	Sample Input	Sample Output	Total call minutes: 120 Bonus threshold: 30	Bonus blocks completed: 4 Bonus applied successfully	Total call minutes: 95 Bonus threshold: 30	Bonus blocks completed: 3 Bonus not applicable	[Marks - 5]
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