

Daffodil International University
Department of Computer Science & Engineering
Quiz-01, Semester : Fall 2025
Course Code: CSE331 , Course Title: Compiler Design

Time: 20 minutes

Marks: 15

[The figures in the right margin indicate the full marks.]

1.		<pre>float finalV (float u, float a, int time) { float vf; time = 40; vf = a * time + u ; /* this is third statement*/ return vf < 0 ? - vf : vf; }</pre>	
	a)	Divide the above C++ program into appropriate lexemes.	[5]
	b)	Describe first three phases of a compiler for the third statement of the given function.	[5]
2.	a)	Write regular expression for the following languages- - All strings of 0's and 1's that contain at most two 0's. - All strings of 1's and 0's with an even number of 1's - All string of lowercase English letters that contain the five vowels in order.	[5]