

**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 &lt; 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.	<p>a) Write regular expression for the following languages-</p> <ul style="list-style-type: none"> <li>i. All strings of 0's and 1's that contain at most two 0's.</li> <li>ii. All strings of 1's and 0's with an even number of 1's</li> <li>iii. All string of lowercase English letters that contain the five vowels in order.</li> </ul>	[5]