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# 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 .]*

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|---|---|---|---|
| **1.** | | float finalV (float u, float a, int time)<br>{<br>float vf;<br>time = 40;<br>vf = a * time + u ; /* this is third statement*/<br><br>return vf <0 ? – vf : vf ;<br><br>} | |
| | *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-<br>i. All strings of 0's and 1's that contain at most two 0's.<br>ii. All strings of 1's and 0's with an even number of 1's<br>iii. All string of lowercase English letters that contain the five vowels in order. | [5] |

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