



Daffodil International University
 Department of Software Engineering
 Faculty of Science & Information Technology



Quiz_3 (SE222_Computer Architecture) _43 F (Fall-2025)

ID:

15

Question 1.(CLO2)

Illustrate the steps of Booth's algorithm for 2's complement multiplication for the following values: (Using 4 bits). Given That:

Multiplicand: -6 and Multiplier: 5

Marks

6

Question 2. (CLO2)

Transform the following IEEE-754 32 bit floating point binary number into decimal.

1	01110101	101010000000000000000000
---	----------	--------------------------

5

Question 3. (CLO2)

Articulate the basic elements of machine instruction.

4