



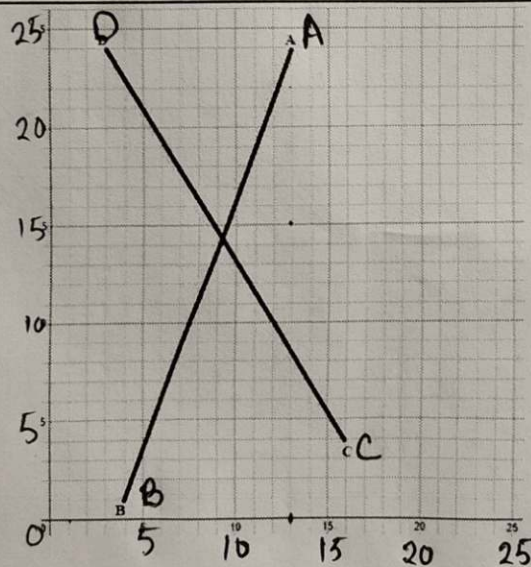
Daffodil International University
Faculty of Science & Information Technology
Department of Computer Science & Engineering
CT-01, Spring 2026
Course Code: CSE411, Course Title: Computer Graphics

Time: 45 mints

Marks: 15

Answer ALL Questions [Optional]

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1.	 For the line $A-B$ shown above, calculate the pixels to be drawn using the DDA Line Drawing Algorithm with detailed steps, and plot them on a pixel graph.	[5]	CO2
2.	Using mathematical derivation, explain whether the DDA line-drawing algorithm improves accuracy and computational cost. If yes, can this algorithm be used to draw line $C-D$?	[7]	CO2
3.	Which display technology is better for displaying the above line? Justify your answer.	[3]	CO1