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Daffodil International University

Faculty of Science & Information Technology

Department of Computer Science & Engineering

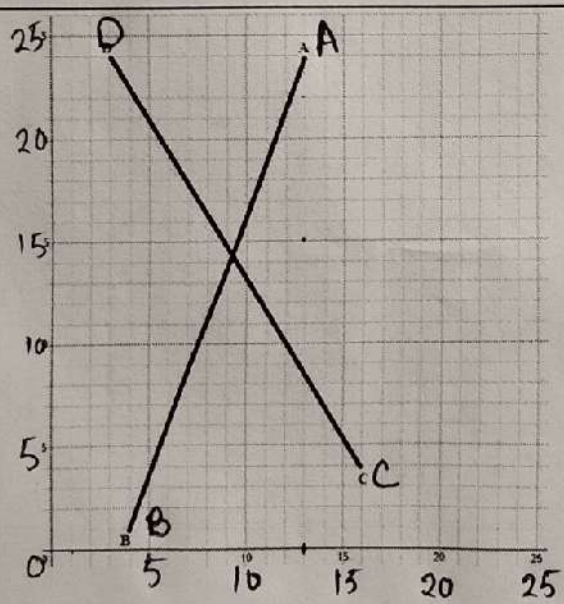
CT-01, Spring 2026

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**

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