



Daffodil International University
Department of Computer Science and Engineering
Faculty of Science & Information Technology

Quiz-1, Summer 2022

Course Code: CSE421, Course Title: Computer Graphics Sec: PC-A

Teacher : Mr. Abdullah Al Mamun (MAM)

Date: 09/06/2022

Time: 45 mins Marks: 15

Answer any 2 questions

The figure in square brace at the right side of a question indicates the marks allocated to the questions.

1.	Derive the formula of rotation into clockwise direction and show the new coordinates for the rectangle having points A(3,2), B(10,2), C(10,8), D (3,8) after rotation of 45 degrees into the same direction.
2.	Draw a line having a starting point at (-3,2) and ending position at (16,15) using Bresenham's Line Drawing Algorithm.
3.	Determine the lines that are clipping candidates from the given coordinates below and Clip the lines that are clipping candidates using line clipping algorithm. Window size: ABCD rectangle, where the coordinates are A(10,5),B(15,5), C(15,11),D(10,11). Line: CD where C(8,8), D(17,9)