



Daffodil International University

Department of CSE

Faculty of Science & Information Technology

Mid-Term Examination

Course Code: CSE 421 (Day)

Section: ALL

Semester: Fall 2019

Course Title: Computer Graphics

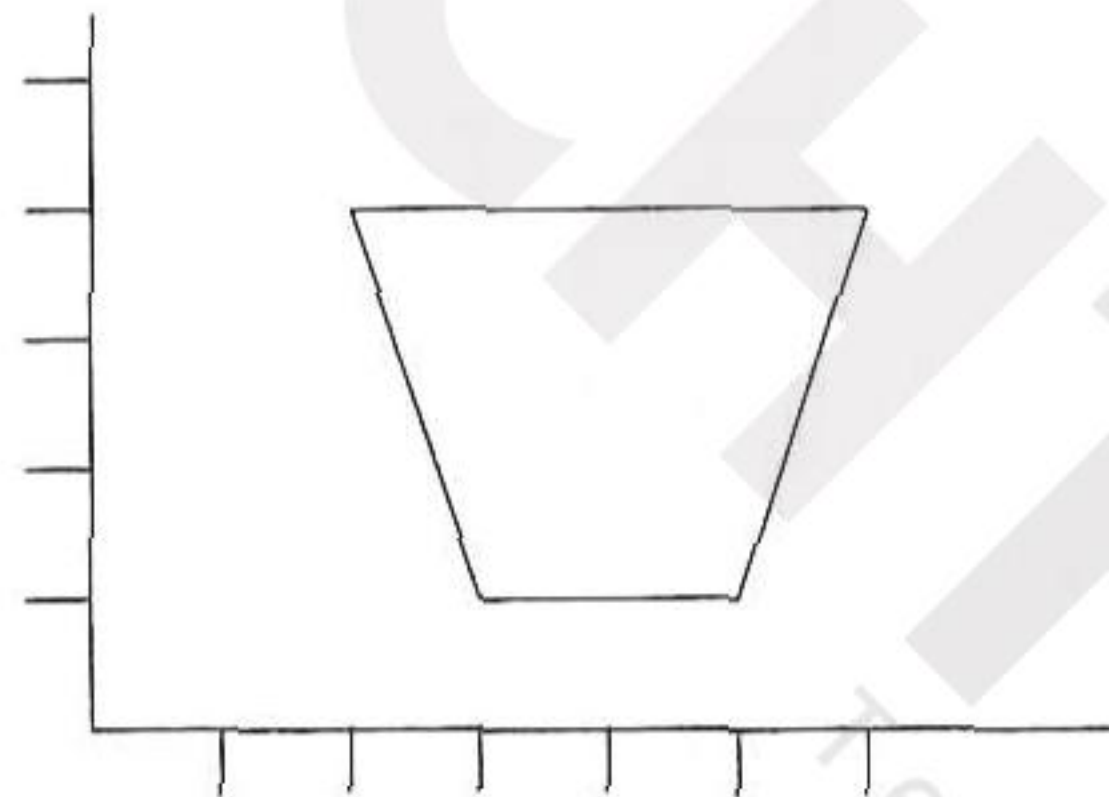
Course Teacher: ALL

Time: 1.5 hours

Full Marks: 25

Answer ALL Questions

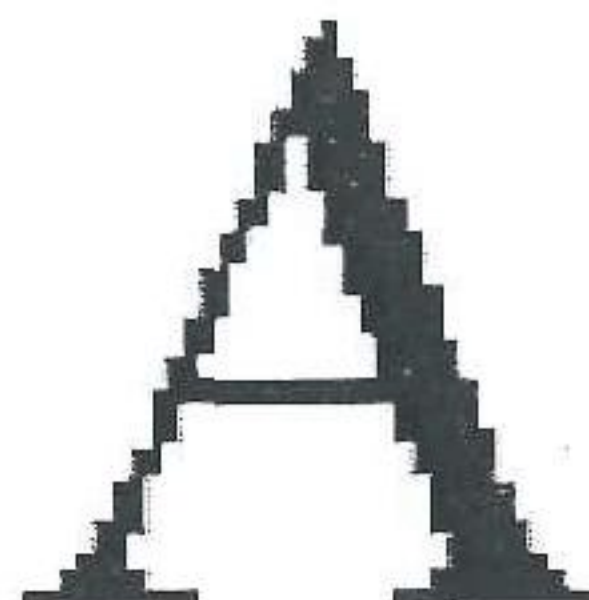
1. a. Which display monitor is better- Random or Raster Scan? Why? 2.5
- b. "CAD and visualization are the vast application area of computer graphics" - Justify your answer. 2.5
2. Rotate the following object 30 degree in y-axis and compute the new points. Then, scale the object 2 times smaller. Determine the new points and plot them. 5



- 3 Draw a circle by using Mid-Point Circle Algorithm where the diameter is 24 and the center is (-3, -5). 5
4. Draw a line with starting point (25, 35) by using Bresenham's Line Drawing algorithm. Here, $\Delta x = 10$ and $\Delta y = 6$. 5

5.

5



What type of effect occurs in the above "A"? How can you solve this problem?