

Computer Graphics ETCS 211

Assignment 1

To be submitted on or before 24/08/15

Q. 1: What is “Refresh Buffer”? Identify the contents and organization of the Refresh Buffer for the case of Raster and Vector Displays.

Q. 2: List the operating features of the following display technologies:

- a) Raster Systems
- b) Vector Systems
- c) Plasma Panels
- d) LCDs

Q. 3: Implement DDA algorithm to draw a line from (0, 0) to (4, 4).

Q. 4: Write Bresenham’s line drawing algorithm and show how it draws a line whose endpoints are (4, 4) and (-3, 0).

Q. 5: What is the difference between DDA algorithm and the Bresenham’s line drawing algorithm?

