

BRAC University (Department of Computer Science and Engineering)

CSE 423 (Computer Graphics)

Quiz 2

Student ID:

Full Marks: 15

Name:

Duration: 25 minutes

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[No extra sheet will be provided. Write your answer to the questions in this answer script.]

[Marks allocated to each question is given in the statement of corresponding question.]

Clipping region is given from (-160,-135) to (310,210). Now consider two straight line having the following end points:

1. (320, 423) to (330,110)
2. (320, -90) to (-90, 220)

For both of the given lines, answer the following questions:

- A. Find out the outcodes of both of the lines and comment on whether they are inside, outside, clipped or undetermined only from the outcodes. [4+4]
- B. Find out the clipped/unclipped endpoints for the above lines for the given clipping region using the cyrus-beck clipping algorithm . [2+6]

[N.B. If any of the lines is outside, you can just write outside the region]