

IMS ENGINEERING COLLEGE	IMSEC/QF/48
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	Issue No. : 2
Tutorials/Assignments/Quizes	Issue Date: 1 May 2010
Prepared BY: MR	Approved By: Director
Subject Name: Computer Graphics	Subject Code: NCS-403

Assignment 1

Que1: What are the criteria that should be satisfied by a good line drawing algorithm? Explain? (Min 200 words).

Que2: Compare the computation done in Digital Differential Analyzer algorithm with Bresenham's Line Drawing Algorithm.

Que3: Modify the simple straight line DDA to draw dashed lines with one example (dashed consist 4 pixels).

Que4: Explain Role of frame buffer and how long would it take to load a 640*480 frame buffer with 12 bits per pixel, if 10^5 bits can be transferred per second?

Que5: Differentiate between Random Scan Display and Raster Scan Display? Execute Bresenham's Straight line algorithm to produce a line from (0,0) to(17,12)?

	Q1	Q2	Q3	Q4	Q5
CO	1	1	1	1	1
PO	1,12	1,2,12	1,2,12	1,2,3,12	1,2,3,4,12
PSO	1,4	1,2,4	1,2,4	1,2,4	1,2,4