M. Sc. 4th Semester Examination – 2020 (DDE)

(Old Syllabus)

Subject: Computer Science

Paper: MCS – 403 (Elective – IV: Computer Graphics and Multimedia)

Full Marks: 22½ Time: 1 Hour

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer question number 1 and any three questions from the rest.

1)	a) Write Bresenham's line drawing algorithm for $m \le 1$ and illustrate the algorithe example.	nm with suitable $4\frac{1}{2} + 3 = 7\frac{1}{2}$
	Or	
	b) Write and explain Cohen – Sutherland Line Clipping Algorithm.	7½
2)	Explain working principle of CRT monitor.	5
3)	Write and explain Boundary – Fill Algorithm.	5
4)	Explain Translation, Rotation, and Scaling transformations.	5
5)	Explain Window – to – Viewport transformation.	5
6)	Explain working principle of Graphics Card along with it's components.	5