

PRAGATI ENGINEERING COLLEGE: SURAMPALEM
(AUTONOMOUS)
M.Tech II Semester Regular/supplementary Examinations, July – 2024

COMPUTER GRAPHICS
(CAD/CAM)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry EQUAL marks

5X12=60

Q.NO.		Question	BTL	CO	Marks
1.	a.	Explain about DDA line algorithm	K2	CO1	6M
	b.	Compare raster scan and random scan display systems	K2	CO1	6M
2.	a.	Explain an edge filling algorithm	K2	CO1	6M
	b.	Compare aliasing and antialiasing	K4	CO1	6M
3	a.	Explain about Cohen-Sutherland subdivision line clipping algorithm	K2	CO2	6M
	b.	Compare and contrast between flat and smooth shading models with necessary examples	K4	CO3	6M
4	a.	Explain 3D clipping in detail	K2	CO2	6M
	b.	Explain about the generalized clipping	K2	CO2	6M
5.	a.	Explain about Phongs shading algorithm	K2	CO3	6M
	b.	Explain briefly Cohen-Sutherland line clipping with suitable example	K2	CO2	6M
6.	a	Compare the shading algorithms	K4	CO3	6M
	b	Explain the Painter's algorithm with a suitable example	K2	CO3	6M
7	a	Explain the general computer animation functions	K4	CO4	6M
	b	Plan an animation sequence for an application	K3	CO4	6M
8	a	List the applications of multimedia	K1	CO5	6M
	b	Classify the authoring tools required for multimedia applications	K4	CO5	6M