

Mid Term Exam Sep 2022

Class & Batch: B.Tech CSE V Sem **Subject Name & Code:** Computer Graphics & Multimedia (CSL0501)

Time 01:30 Hours

Maximum Marks : 30

All Questions are Compulsory:

Q. No.	Questions	Marks	CO	BL
Q 1				
1.1 ✓	Define Aspect Ratio.	1	1	1
1.2	What are the applications of computer graphics? Discuss any four. OR Describe the Architecture of CRT.	5	1,2	2
Q 2				
2.1	What is PHIGS?	1	1	1
2.2	Differentiate between the DDA and Bresenham's line drawing algorithm. OR Compute the resolution of a 2 X 3 inch image that has 512 pixels.	5	1,3	1,2
Q 3				
3.1	Define Resolution.	1	1	1
3.2	Write algorithm for Bresenham's line drawing? If two line end points are (123, 90) and (132, 97) then describe other line points using Bresenham's Algorithm? OR Differentiate between Raster scan system and Random scan system.	5	2	1,3
Q 4				
4.1 ✓	Define Pixel.	1	1	1
4.2	Write algorithm for Bresenham's midpoint circle drawing. OR What is Aliasing? Discuss any three techniques of antialiasing.	5	2	2,3
Q 5				
5.1 ✓	What is output primitive?	1	1	1
5.2 ✓	Describe RGB Color Model with OR Explain any three graphic input devices.	5	2	3