UNIT TEST-I

Computer Graphics (210244)

Semester-III (Computer Engineering)

Time:1 Hour Maximum Marks:30

Instruction to the candidates:

)	Answer Q.1 or Q.2, Q.3 or Q.4	
2	2)	Neat Diagram must be drawn whenever necessary	
Q. 1	a)	Draw a line from (0,0) to (4,6) using DDA line drawing algorithm.	[5]
	b)	Differentiate between raster scan and random scan	[5]
	c)	Write and explain Bresenham's Circle Drawing Algorithm.	[5]
		OR	
Q. 2	a)	Plot a Circle using Bresenham's circle algorithm for r=3 and center at (0,0)	[5]
	b)	Define the terms: Scan Conversion, Pixel, Resolution, Aspect Ratio, Frame Buffe	er [5]
	c)	Write a short note on shadow mask method.	[5]
0.2	,		[6]
Q. 3		What is polygon filling? Explain in detail scan fill algorithm.	[5]
		Explain odd-even test with example.	[5]
	C) Differentiate between flood fill and boundary fill algorithm.	[5]
		OR	
_	,	Write short on window to view port transformation.	[5]
	b)	Explain the boundary fill algorithm with pseudo code. Also mention its limitation	ns.[5]
	c)	Write and explain with an example cohen - sutherland line clipping algorithm.	[5]

----- BEST OF LUCK -----