Con. 6540-13.

GS-7110

		(3 Hours)	Total Marks:	100
N	.В.	 Question No. 1 is compulsory. Attempt any four questions out of remaining six questions. Assume suitable data if necessary and justify the same. 		
1.	(a) (b) (c) (d)	Explain the method to draw a thick line using Bresenham's algorithm Differentiate between Image space and Object space. What is aliasing? Explain some antialiasing techniques. Derive the transformation matrix to magnify the triangle A (0, 0), B to twice its size so that the point C (3, 2) remain fixed.		5 5 5 5
2.	(a) (b)	co-ordinates (30, 60) and (60, 25) against the window $(x_{min}, y_{min}) = (X_{max}, Y_{max}) = (50, 50).$	= (10, 10) and projection of	
3.	(a) (b)	Derive the composite transformation matrix for reflection of an objet $y = mx + c$. Apply the derived matrix for the object A (4, 2) B (5, 3) C on to the line $y = 2x$.	ct about a line	10 10
4.	(a) (b)	over other polygon clipping algorithms?		10 10
5.	(a) (b)		vantages.	10 10
6.	(a) (b)	The master to the term to the second of the	on concepts.	10 10
7.	(a) (b)	The same Design graph on bo	generated from	10 10