QP Code: 25270

			(31	lours)					Lota	II Marks 8
N.B.	(1) Question 1 is	comp	uisory							
	(2) Attempt any four questions from question 2 to 7									1
	(3) Use of Scientific calculator is not allowed.									
	(4) Use of simple calculator is allowed.								1	
	(5) Figures to right indicate full marks.							4		
Q.1(a)	Explain DDA Line I	irawing	Algorith	m and R	asteriz	e the I	ine who	se end poin	ts are A (1	, 6) and
	B (9,12) using DD									(10)
(b)	Explain in brief th									(5)
(c) Explain Z Buffer algorithm for Hidden Surface Removal.									-	(5)
10/	Enploin E Daniel a	80,,,,,,						0		, , , ,
Q.2. (a	e) Find the transform center still remain B(30,10) , C(30,30	ning at 1	the same	position	The c	oordin	nates of	the square a	are A(10,1	l0), s of the
square.										(8)
(1)Explain with exam	nple Co	hen Suthe	erland to	echniqu	e for	line clip	ping.		(7)
120124 0										
	a)Find the clipping					100	The second second	A Committee of the Comm		
	with (X _{wmin} , Y _{wmin})					1000		March 199		(8)
	(b) Discuss any two	spatial	domain	ilter ap	proach	es for i	image e	nhancement	t.	(7)
Q.4. (i	I. Rotate by 1 II. Translate by III. Scale by 4 u III. Scale by 4 u	80 a rou / 3 unit	ind y axis s in axis a	0		(Fills	nation			(0)
0				EIII - I	deline.	a rula .				(8)
t,) Compare Bounda							dure to fill re	egion	
	bounded by dif	rerent	color used	4 conn	ected a	pproa	icn.			(7)
05 6) Equalized the give	on Hiet	OGEAN	350		9				(n)
-	Gray Level	0	1	12)	3 .	4	7-	c 17		(8)
-	Number of Pixel	790	7	-			5	6 7		
			1023 7		656	329	245	122 81		,
	xplain Halftoning		E (C)			gon ve	ertices			(7)
	A(1,1) B(2				2022 122					(8)
(b) Explain with algorithm Bresenhams circle drawing algorithm.										(7)
	34	-								100
Q.7 Write a short note on (any Three)										(15)
. \	(a) Difference bets	veen R	andom Sc	an and I	Raster S	can				11
1	(b) Inside Outside (
	(c) Image Digitizer		177.0							
	d) 2D rotation abo	ut arbi	trary poin	t						
	3.53			73						

PA-Con. 6372-15.

Course : M.C.A. (CBSGS) SEM - III (Prog T8623)

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Correction:

Q.4. (a) Derive a single 4 X 4 matrix for the following transformation

II. Translate by 3 units in x axis and 4 units in z axis

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