	Assignment 1
	Harrist Andrews Andrews Alexander Park
Aug 1	Combuter Graphics is an art of
	drawing pictures, lines, charts etc.
	using computers with the help of
1	brogramming. Computer graphics
	is made up of number of pixels. Fixe is
Walter C.	the Smallest graphical protuce or
	but represented on the computer
	Screen, Basically Hure are two types
	of computer graphics namely!
	(i) Interactive computer Greathics
	(ii) Non Interactive Computer
	Goraphics.
	c contain a contain a little
	Interactive Computer Geraphics:
	Interactive Computer Greathics
	Lavalues ca two way communication
	between Computer and user.
and a second	Here the observer is given some
1207	control over the image by providing
1	him an input device for example
	the video game controller of the
	king bone game. This helps him to
	Signal this seem of to the To
DELTA	Signal his request to the conjector,
The state of the s	

Date	1 1	Page no.
2.>	In Raster Goraphics,	2.) Vector displays
	refresh process	flicker when the
	is independent	number of building
	of the complexity	in the image become
i N	of the image.	too large
1463 Voj. 1.0		
3	Graffic pounitives	3) Scan Conversion
	are specified in	is not reequired.
	tering of end points	Die Deguites
	and must be scan	
	Converted Puto	
	corresponding pixels'	
4.)	Rastes Consultation	1 120 c Coc 00 11 1
	Raster Greathics	4) Vector graphics
		cost more as
	24 1 1 1 2 2 2 P 1 2 3	compared to
		vaster graphics.
5)	Thus made I was	The second second
,	They occupy more	5) They occupy
	Space Which olopends	less space
	on Image quality	47 205 125 13627
<u>c)</u>	File extensions!	6) File extension!
	BMP, TIF, GIF	SUG, EPS, PDF, M
	TPG.	• DX F
	, .	

V . N	
Define:	
(a) Aspect Routio:	
the aspect readio of an image	
describes the propotional welsotenship	
between its width and its height.	
It is commonly expressed as	
two numbers separated by	
cear.	
and the state of the sales of	
6) Resolution ;	
In Computer ( excepter fion is the	
number pixels (individual points	
of color) contained on a display	
monitor expressed in ferms of	
number of pixels on the	
horizontal anis and the number	
on the ventical axis.	
A to the state of the state of	
(C) Bit map:	
Bit map is also called reaster	
graphics is a digital image	
composed of a matrix of dots when	
Viewed at 100%, each dot	
corresponds to an individual	
pixel on a display.	_
2	

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<b>3</b>	After flut the image is produced in
	the Cathode Ray tube
	in the second se
	Raster Scan Architecture
	Raster Scan McCon Fective
	(i) have a superior and the second
	12 he have the hold will me
	B - all a liberal a la
	Z grann (and a salad plan
	3
	3 3
	5 8
IS	1 991
	39
	23
	Bus Sussessing
	1 3 7
	35 (35)
	Weinsty Memory Syst
	1 3 AS
	AZ
92	5

Flat Plan displays
A flat panel display is a
television, monitor ou other
clisplay appliance that uses
a flin pauel design insted
of a tocaditional carthoole
ray tube (CRT) design.
These screens one much lighter
and thinner, and can be
much more portable than
toraditional telivisions and
monitors. they also have higher
resolution than older models!
Tubes of flat Panel
Disheart
Dispose.
Emissive Non
Dishlay
Disklay

	TL 1. 00 V	1
	It is similar to trackball,	
	an more in ch	The
	only, The movement	1982
	is receded by the Strain	
	Jarge. Strain garge is	
	applied with pressure 1 on	
	Hured of the ball is on	4),4
	inside box, the vest is	- 4
	outside.	
	to the state of the state of the state of	1 - 13 - 13 - 13 - 13 - 13 - 13 - 13 -
(5)	Joystick -	
		12
	A joystick is also a pointing	T/
	device which is used to change	
	Cursor position on a monitor	
	Screen. Joy Blick is a stick having	
	a spherical ball as it's both.	
DEITE	lower and Phres ende?	

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2013	At each Xx position at k=0,
(Chris	perform the foll. test-
	If PKKO then next point on circle
1	(0,0) is (x k+1, yk) and
	PK+1 = PK + 2 X K+1 +1
1 1 1	Else PKH = PK + 2 XKH +1 - 2YKH
	where, 2xx+1 = 2 xx+2 and 24x+1=24x-2
8	on the of send world about a single
Staby	Defermine the symmetry points
	other seven octants.
1	Strict grave significant to the most of a
Stips	Move each calculate pixel position
	XIY onto the cicular path
	certaced on (xc, 4c) and
	Not the coordinate volvies
A 37	X= x + Xc 9 4= 4+4c
-20 (	Alat St 1 2 House also see
SUB 6	Refeat Step-3 through 5 until x>=y
	Disadvantage
	Disadvantage
7	Accuracy of the generating points
	is an issue in this algorithm.
l l	The second in book a facility
7	This algorithm suffers when used
-	to generate comblex and high
	graffical images
DELTA M	y NoteBook