# Assignment-L Computer Graphics and multimedia opplication (CA-301)

#### Answer -1

#### Input Devices :-

- 1. Keyboard: A simple device comprising keys and each key denates either an alphabet number or number commands which can be given to a combuter joom various actions to be propried.
- I mouse: It is also known as a bointing device. Using mouse we can directly click on the various icans present on the system and open up various tres and programs.
- 3. Joy stick Mostly used to control the movement in Video games.
- 4. Light pen: Used in conjunction with computer's coulode ray tube.
- 5. Microphone It converts sound into on electrical signal.

### attent output Devices! BNOVES

- 1. monitor The device which dictions all the icons, text, images de over 9 screen is collect the monitor.
- 2. printer: A device which motes a copy of the pictorial or tentual centent, usually over a poper is could a printer.
- 3. sprakers: sprokears are attached with a computer system and also are a hardware device which can be altached separately.
- 4. projector: An optical device which presents an images onto a projection screen is caused a projector.
- 5. Head phones: They perform the same Junction of o speakers, the only difference is the programay of Sound.

Anguer-3

printer: — A printer is an external hardware authors device whose work is to acquire the text and graphics author from the computer and generate a hard copy of it. So basically it processes the soft copy and produces its hard copy.

Plotter: — A plotter is the category of printer that takes commands from the computer and than makes drawings on the paper with the help of various pens. It is used for producing hard copies of large graphs and designs an paper tike construction maps, engineering drawings, architectival plans and business charts.

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Answer-3

Display devices: — The device is an output devices used to represent the information in the form of images (visual form). Display systems are mostly called a. Video monitor or video display unit (vou)

CRT - (Cathode - ray Tube): - Here CRT Stands for called ray tube. It is a technology which is used in traditional computer monitor and television.

LCO - (Liquid - crystal display): - The LCO depends upon the light modulations prefertion of liquid

LED:- (Light Emitting Diode):- LED is a device which contract passes through. It is a . Semiconductor device.

Anguer-4

Raster Scan :- Roster scan and random scan are the mechanisms used in displays for ronderings the picture of an objects on the screen of the monitor. The main difference between rastor scan and random scan lies in the drawings of a picture where the raster scan points the electors beam at the entire screen but incorporational just one line at a time in the downward direction. On the other hand in the random scan, the electron beam is guided on just those region at the Screen where the picture actually lies.

Rondom Sean! - The Rondom Sean works in a completely different manner to the raster san where the electron beam is pointed to merely whose areas of the screen where the picture is to be drawn. However it only involves and lines at a time when drawing a picture that is why it it is also known as the screen or colligraphic display. The component lines of an object by a random scan is draw in the way as shown in the diagram.

## e) Bhavesh

	COMPARISON	DDA ALGORITHM	BRESENHAM
	1. Ediciency	Low	High.
	Calculations	Complex	Simble
	Speed	Comparatively	more
	o perations	and division	Additions and Subtraction
	Arithmetic Computation Values	Floating point	Integer types
	Precision	Law	High
	. cost	Not provided	moderate or cheoper relatively.
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