QNO3:

**METROPOLITAN AREA NETWARK:**

 This network is designed to extend over a district ,council or even in entire city.

.it may be a single network such as cable television network OR it may be connecting a number of LANs into alarge network so that resource may be shared LAN to LAN as well as device to device .

For example;

 A campany can use a MAN toconnect the LANs in all of its offices through out city.

**TOPOLOGY:**

 This is the way of network to connect computer together iss called topology network.

**I CHOSETHE STAR TOPOLOGY :**

because each devoice has a dedicated point to central controlle .

 STAR TOPOLOGY:

Each devoice has a dedicated point to point link only to a central controller usually the hub.

 The devoice are not directly connect each other .

The controller hub act as an exchange.

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**Different types of Common media :**

 There are different type of common media.

**1, text media:**

 This media use to send present information in text form.computer use widely for text processing .

For example:

 Keyboard ,OCR ,computer screen ,and printer are some commeoly use for text processing.

Text editing ,text scarching , hypertext ,and text importing ,exporting are some highly desirable feturs of text media information.

**2, graphic media:**

 Computer graphic deal with generation ,representation ,manipulation and display of pictures with a computer .

For example.

Locating devoice ,such is mouse a joystick ,or stylus ,digitizer scanner , digital cameras ,computer screen with graphic display capability ,lesser printer and plotter are the some common hardware devoice for processing graphic media.

**3, animation media:**

Computer animation means with generation sequencing and display of a set of image to create an effect of visual change or motion to a move film.

.animation is commonly use in those instances where videography is not possible .

For example:

 Scanner , digital cameras ,video capture board interfaced to adivoice camera or VCR ,computer monitor with image display capability this is the common animation media.

**4, audio media:**

Computer audio deals with synthesizing ,recording ,and playback of audio or sound with a computer.

For example:

Sound board, microphone ,speaker , MIDI devoice , sound synthesizer ,sound editor and audio mixer are some commonly use hardware devoice for processing audio media.

**5,video media:**

 Computer vedio media deal with recording and display of a sequence of image it a responsible speed to create in impression of movement .

Examples:

Video camera ,video monitor ,video board and video editor are some common example of video media.

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**QNO2:PRINTER:**

 THE MOST COMMEN OUT PUT DEVOICE FOR PRODUCING HARD COPY OUT PUT.

.printer produce the datain the foem of hord copy it high speed.

**Plotter:**

Ploteer provide the out put in a format that is similar to vector graphic / image create with line.

**Difference between printer and plotter:**

**.**A printer is an external hardware output devoice that take the electronic data stored on computer .

.printer is a periphral devoice nature and create a solid copy of the digital data that is represented on the computer screen .

.printer can read BMP, PDF, and JPG ,TIFF formats.

. software for printer include phtoshope and any other image editing program.

.printer are less costly is compared to plotter.

Printer provide the out put data file in a format such as bitmap or pixel.

.printer produce the data in hard copy formate at paster speed.

.printer cane print single line at a time .

.printer use a needle or pen to draw line and figure on a page.

**PLOTTER:**

**.A** plotter is in out put devoice commonly used for computer aided design application , to output large vector vector design such as architectural blueprints.

.Plotter can read file in the DWG, CDR,AL, and other vector formats.

.plotter software includes adobe illustrator ,corel , flexi, and CAD.

.Plotter are relatively expensive when compared to printer.

.a plotter provide the out put in a format that is similar to a vector graphic .

.plotter produce the data in hard copy at a relatively slower rate when compared to aprinter.

**(B) LASER PRINTER:**

THIS CAN PRINT ONE PAGE IT A TIME.

 Consist of laser beam source a multisided mirror a photoconductive drum and toner .

,to print , a page the laser beam focus on the electro statically charged drum by the spinning multi sided mirror .

.toner stick to the drum in the places the laser beam has charged the drum surface.

Tonar is then permanently focusd on the paper with heat and pressure to generate the printer out put.

.laser printer produced the high quality out put having resolution in the range of 600to 1200 dpi.

.cane print many special character , different size of print .

 Are not impact printer ,

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QNO1:

 **LIMITATION OF IMAGE SCANNER :**

 .Image produced by the csanner cane take more space of memory.

 . image loss some quality in the in the scaning and digesting process.

 .the quality of the final image is dependent on the quality of original image .

 .emotional value is there value in the original image.

Optical charter recognition devoice:

,scanner aquipped with a charter recognition software that convert the bit map image of character to equivalent ASCII.

 ((B)

MICR(magnetic ink charter recognition )use to verify the legitimacy or oraginility of paper document .

Special ink which is sensitity to magnetic field ,is use in the printing of certain characters on the original documents.

,MIRC code help to recognized charter codes mainly use in banking sectors ,and so it is the inevitable part of check printing .

The technology let the banking office who are MICR readers to scane check and read through the information directly to their system.