Paper =

Computer application

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Q1. (a) Discuss a few limitations of image scanners? How Optical Character Recognition (OCR) device overcomes these limitations?

Answer =

Limitation of image scanner =

In image can often abbreviated to just scanner, is a device that type eclipse can image printed text handwriting are in object and cover it it to a digital image commonly used in office for variation of the day stock flatbed scanner we are the document is placed on a glass window for scanning handheld scanner we are the device is moved by hand in a wall with some text skin wants to 3D scanner used for industrial design Reservoir engineer and test and Measurement earthitects gaming and other application mechanical drive one scanner that Moves the document type weekly used for large format document there are flat belt design would be a practical. modern scanner type quickly use a charge coupled device is CDR contract image sensor is the image sensor VR streams can develop their Le and still used for the highest possible image quality used as a photomultiplier tube is the image sensor rotator scanner used for high-speed document scanning is it a type of drum scanner that uses a CCD Rai and instead of a photomultiplier noncontact printer scanner essential photograph delicate hope and document all these cannot produce two dimensional image of subjects that are usually played both but sometime solid 3D scanner produce information on the three-dimensional structure of solid object.

(b) Elaborate the use of Magnetic Ink Character Recognition Device (MICR)?

Answer =

Magnetic ink character recognition =

Magnetic ink character recognition technology to verify the legitimacy of our original paper documents specially check special ink which is sensitive to magnetic field is used in the printing of certain character and the original document information can be encoded in the magnetic character .

Dues of MICR can enhance security and minimize the losses caused by some types of cream if a document has been forget for example a counterfeit check produced using a color photo copying machine the magnetic and client will either not respond to magnetic field are will produce an incorrect code when scanned using a device designed to cover the Earth formation in the magnetic corrector 11 a legitimate a cheque can be rejected if the MICR reader and indicates that the owner of the account has a has a history of writing bed check.

Q2. (a) Differentiate between printer and plotter?

Answer =

Printer and plotter =

Printer is in output device that produce graphs and text on a physical medium such as paper a printed raw image in text on a web page with the help of command given through a computer printer for a fun connected to computer other wirelessly are through the use of USB cable more importantly one printer can be connected to mini computer allowing all computer to be able to print on their dead Panther today why we are less of printing Technology makes the task of printing from smartphone notebook computer a digital camera even as a software for printer include Photoshop and any other image editing program.

= toner based printer, day use dried toner ink which is used on paper by hot roller.

= A dye sublimation printer, which uses heat to transfer diet medium such as a plastic card paper are canvas.

= inkless printer, which works by heating region of a heat sensitive paper that create image or text on it.

= liquid ink printer, which uses liquid ink that is heated into a vapour bubble and then sprayed onto the paper.

Solid ink printer, which used thermal transfer technology and solid states of colour that our Walks Like in texture this link is melted and tried on a rotating oil quite a drum which passes the paper.

Plotter =

A plotter special output device used to produce hard copies of large graphs and design on paper such as construction makes engineering drawing Saral plan and business charge the polluter is either a peripheral component that you would it to your computer system or a stand-alone device with its own internal processor can read files and the DVD Appa Luta as a special output device used to produce hard copies of large graphs and design on paper such as construction makes engineering drawing Saral plan and business charge the polluter is either a peripheral component that you would add to your computer system or a standalone device with its own internal processor can read files and the DVD CDR a l and other vector formats CDR a l and other vector format.

(b) Explain the printing process of a LASER Printer?

Answer =

Laser printing is in electrostatic Digital Printing process at produce high quality text and graphs by repeatedly passing a laser beam back and forth our negatively charged cylinder call a drum to define are differentially charge image the drum then select you Li collect electrically charged powered by toner and transfer the image to paper which is which is then heated in order to permit permanently use the text imagery are both to the taper digital photocopier laser printer employee 0 graphic printing process laser printing differ from traditional zero graph is implemented in Allah analogue photocopier and that is the latter the image is found by reflecting light of in existing document and to the exposed drum.

Q3. (a) Explain Metropolitan Area Network (MAN) with a suitable example.

Answer =

Metropolitan area network =

Polluted area network as a network that interconnect user with computer resources is a Geographic area are region larger than that covered covered by Evan alarm for local area network but smaller than the area covered by a wide area network the term is applied to the interconnection of network is US is a city into a single large network which may be which made in also offer efficient connection to a wide area network it is also used to mean the interconnection of several Local area network bad ranging them with big bone lines the letter usage is also sometime refer to our campus network.

Example =

Examples of Metropolitan Area Network of viruses can be found in the Metropolitan area of London and England lodz Poland and Geneva Switzerland large in West is also some time use the term to describe the network recent trend as the installation of wireless MANS.

(b) Define topology? Which topology would you chose to setup a local area network and why?

Answer =

Topology=

the study of geometrical properties and special relation unaffected by the continuous change of Shape or size of figures.

This chapter provides in our V of local area network concept topologies Technologies and design historically Local area network have been broadcast network meaning that every Local area network station has every transmission and the medium Local area network topologies help to support the broadcast nature of the network and provide full connectivity between all station the physical topology describe how the local area network station are physically connected so that they can communicate with each other the local topology describes how the broadcast nature of the local area network is actually affected and therefore how station participate in the process of obtaining permission to transmit on the medium there are three common topologies found and Local area network star rank and bus in a star topology all devices on the local area network are interconnected through some Central device in a ring topology the node are connected by a seta point-to-point links that are organized in a circle and a bus topology all devices are connected to a single electrically continuous medium the chapter also discuss the concept related to media access control interconnection device is a network operating system.

Q4. In your opinion, what are the different types of common media used for storage, access and transmission of information? Explain each type in detail?

Answer =

modern media comes in many different format including print media books magazines newspapers television movie video game music cell phone was kind of software and the internet.

Types of media =

we can start our discussion of media by defining and describing different kind of media that children are using today's modern media come in many different format including print media box magazine newspaper television movie video game music cell phone was kind of software and the internet is type of media involves both content and also a device are objects through which the content is delivered.

1. Print media =

The term print media is used to describe the traditional are old-fashioned front based media that today parent grey up with including newspaper magazine book in comics are graphic novels historical only wealthy publisher had access to sophisticated typesetting technology is necessary to create printing material but this has changed in recent years with the words words Pride accessibility of desktop publishing software and print on demand Publication service such as loola.com more recently electronic book reader such is the Amazon kindly which store hundreds of books on a single device and which Aloe reader directly directly download books and newspaper become popular.

1. Television =

Television has been entertaining American families for over 50 years in the beginning there were few program to take from but today there are literally hundreds of general and speciality channels to choose from and thousand upon thousands of program we are at was once the case that program had to be passed at the time they wear broadcast on television this is no longer the case today where can someone a movie or television episode we never a they want through many cable or satellite services paper review our free on demand service they may also download or stream episodes from the internet and watch them on their computer we were my use DVR digital video recorder the device such as tivo to record program at one time and watch them at another time we were with certain cell phones my even watch program through their cell phone.

1. Movies =

Movies are the oldest farmer Motion Picture Technology capable of capturing life like video style image original movie is called only be consumed at a neighborhood movie theatre but these dyes movie are widely available for paper to consume and their homes and their computer and even and through their telephones commercial movie for broadcast on television and wire cable and satellite service which my feature high definition video resolution and sound is essentially a lowering the movie theatre experience to be replicated and our home theatre environment commercial movie are also distributed on DVD and blu-ray disc which can be returned from stores and through the meal services such as Netflix Netflix and true downloadable computer files which can be lazily download it from movie rental services such as Amazon and items are streamed through Netflix are on demand cable service home reproduce by MHA was with inexpensive video cameras are now also widely available through video sharing website such as youtube.com and vimeo.com.

These are the different type of come on media etc.