

## Smart Way of Easy Learning

## **E-Commerce**

www.dreamstudy.tk



dreamstudy123@gmail.com

Send us your query anytime!

Following is the last of hardware's required to set up a computer network.

Notwork Cables

	www.dreamstudy.tk
	Distributors
•	Routers
•	Internal Network Cards
	Escternal Network Cards
1. 1	the remains a description is been nor officer amount for its
*	Applications of Communication & Computer Network:
	Computer systems and peripherals are connected
	to form a notwork. They provide numerous
. A 15	advantages:
1	Resource shaving such as printers and storage
a	devices.
1-12	Exchange of information by means e-mails and
100	FTP.
3	Information shaving by using Web or Internet.
4	Interaction with other were using dynamic web
	pages.
5	
۲.	Video conferences
7	Parallel computing
0.	
Δ,	Instart messaging
14	
•	Types of computer.
	Local area network
	Metropolitan ouren network
	Dide area network
7 1	Francisco Company Comp
6-1-7-1	- The second the second
*	Internet :- Internet is defined as an information
	super highway, to access information over the
1	useb. However, it can be defined in many ways
	as follows:

PAGE NO 1- Internet is a world-wide global system of interconnected computer notworks 2- Internet uses the standard internet protocol (TCP/IP) 3- Every computer in internet is defined by a unique IP address 4- IP address is a unique set of numbers (such as 110.22 33.114) which identifies a computer location-5- A special computer DNS ( Domain Name Server) is used to give name to the IP address so that user can locate a computer by a name. 6- Internet is accessible to every user all over the world. Evolution The concept of internet was originated in 1969 and has undergone several technological and infrastructural changes as discussed below-. The origin of Internet devised from the concept of Advanced Research Project Agency Network (ARPANET) • ARPANET was developed by United States Department -net of Defence. · Basic purpose of ARPANET was to provide communication among the various bodies of govern By the time, with invention of new technologies such as TCP/ IP protocols, ANS, WWW, browners scripting languages etc. Internet provided a medium to publish and access information over the web.

	Advantages — www.dreamstudy.tk
1	. Internet allows us to communicate with the people
	sitting at remote locations.
2	. One can surf for any kind of information over
-	the internet. Information regarding various topics
	Just at Technology, Health & Science, Social studies.
	Information Technology, Products etc can be surfed
z	Don't lyon constitution of a search engine.
	. Apart from communication and source of information,
4	internet also serves a medium for entertainment.
	Internet allows us to use many survices like-
	Online Shopping
(c	
_(d	
(c	
4	
5.	
	the state of the state of the state
	allows the business deals to be conducted on electronic systems.
	Standard Systems.
	Disadvantages —
1-	
	There are always chances to loose personal
	information such as name, address, credit card
0	rumber.
2.	Another disadvantage is the Spanning. Spanning
	corresponds to the uncented e-mails in bulk.
₫.	these e-mails serve no purpose and lead to
-	obstruction of entire system.
3.	Virus can easily be spread to the computers
	connected to internet . Such vivus attack may cause
	your system to crash or your important data

	QIASE III				
	shown in the following diagram -				
	G J J				
	4 8 16		32 bits		
	VER HLEN D.S. type of service	Total J	ength of 16 bits		
	Identification of 16 bits	Flags	Fragmentation		
	0 6 20 2002	3 bits	Offset (13 bits)		
	Time to live Bustocal	Header	checksum (16 bits)		
Source I.P. address					
	Destination IP	erendo			
	Option + Pad	ding			
12.3	Points to remember:				
(a)	The length of datagram is a	ariable	. A comme of		
(P)	The datagram is divided into	out	parti - header		
and data.					
(U	(c) The length of header is 20 to 60 bytes.				
	the neader contains information for nouting and				
	delivery of the packet.				
	A RESERVED AND A STATE OF THE S				
*	Client and Server model :-				
	A client and levier not south				
	A dient and server network	and w	edel is a model		
	in which computers such as	SOUTOLA	provide the		
	network services to the other	a com	puters such as		
	dients to perform a user based tasks. This model				
	is known as client - server networking model.				
•	The application programs wi	na the	L client - severe		
	The application programs using the client-server model should follow the given below strategies -				
	U		- Andrey		
11					

www.dreamstudy.tk Client Surver · An application program is known as a client program, running on the local machine that requests a service from an application program known as a server program, running on the remote machine. A client program runs only when it requests for a service from the server while the server program sirvice itis nader erand tan each ti as anit les anunc is required. A server prairider a service for many clients not just for a single client. Therefore, we can say that dient - server follows the many - to - one relationship Many clients can use the service of one server. Services are required frequently, and many were have a specific client - server application program. For example. the client - server application programs allows the user to access the files, send e-mail, and so on. If the services are more customized then we should have one generic application program that allows the user to access the services available on the remote computer.

PAGE No

	_
•	Client - A client is a program that runs on the local machine requesting service from the server. A client program is a finite program mean the service started by the user and terminates when the service is completed.
	Sexuer — A server is a program that runs on the remote machine prairiding services to the clients. When the client requests for a service, then the server opens the door for the incoming requests, but it never initiates the service.  A server program is an infinite program means that when it starts, it runs infinitely unless the problem arises. The server societs for the incoming requests from the clients. When the request arriver at the server, then it responds to the request.
7	Advantages of Client - server networks -
1.	Centralized - Centralized back-up is possible in client-server networks, i.e., all the data is stored in a server.
2.	Security - These networks are more secure as all the shared resources are centrally administered.
	Performance — The use of the dedicated server increases the speed of sharing resources. This increases the performance of the overall system.
4.	Scalability - We can increase the number of clients

www.dreamstudy.tk and servers seperately i.c., the new element can be added, or we can add a new side made in a network at any time. · Disadvantages of Client - Sexuer network -1. Traffic Congestion is a big problem in client/ server networks. When a large number of clients send requests to the same server may cause the problem of traffic congestion. It does not have a robustness of a network i.e. then the server is down, then the client request 3. A client / server network is very decisive. Sometim tes, regular computer hardware does not serve a certain number of clients. In such situations, specific hardware is required at the server side to complete the work. 4. Sometimes the resources exists in the server but may not exist in the client. \* Multimedia Technologies .-Importance of Multimedia in E-commerce - Text is the most commonly used media for communication. It is widely used for communication of educations information, entertainment and many more through books, newspaper and magazines. Use of photography and pictures improves the presentation of a text. This improvement is brought through multimedia which is a combination of different

media such as text, sound, video, graphics, animation and many more.

Since the multimedia is a tool to enhance the level of communication, it is now being used as an effective tools in sales promotion for attracting customers. There are some important functions of multimedia in e-commerce are discussed below—

Nowadays, online shopping are very popular by using mobile devices. Smart phones have cameras which provide both the requirements and demands of multimedia technologies.

\* Delivery Methods —

Multimedia content can be delivered via the internet, or by more traditional methods such as CDs and DVDs.

Traditional Delivery Methods — DVD video offers
high quality full motion video in a standard
format which can be viewed with a standard
player and television. Multimedia CD/DVD can be
played on most personal computers and may be
used for video as well as any type of multime
dia content which can be delivered online.

Internet Multimedia — More and more frequently multimedia content is being delivered via the internet in an ever-increasing list of ways, including public web-sites, dealer portals, blugs, social media sites, and chat rooms.

Online content can be accessed by a

desktop PC for on demand viewing or doubloaded locally for later viewing. Access is available anywhere at any time subject to the constraints of the viewer's Internet Service Provider (ISP) and/or Local Area Network (LAN) and the owner of the content.



Hope the study material was helpful, to stay connected with us: Visit Us

## www.dreamstudy.tk



https://www.facebook.com/ allbcaweb https://www.facebook.com/dreamstudy



https://www.instagram.com/allbcaweb



https://www.youtube.com/channel/UC8l0Dfy2 YekfiigaXEtbAow or search on youtube with - dreamstudy website



https://twitter.com/allbcaweb

www.dreamstudy.tk