

ASSIGNMENT - 2

Q1. What are the different types of Network?

Ans: There are mainly 3 types of Network

Ans 3

(i) LAN \Rightarrow Local Area Network is a group of computers located in the same room on a same floor or a same building. i.e. are connected to form a single computer network. LAN shares stores device Printer, Application data & other Network resources.

(ii) MAN \Rightarrow MAN is the larger Network of computers and another Network device which are connected together usually span several building or large geo-graphical Area.

(iii) WAN \Rightarrow WAN is a digital Comm. system which inter-connected different sides computer installation and user terminal. This types of Network may be developed to operate nation wide or world wide.

Ans 4

Q2. Explain the shielded twisted pair and un-shielded twisted pair?

Ans: Un-shielded twisted pair \rightarrow UTP is the most common kind of copper telephone wiring. Twisted pair is the ordinary copper wire i.e. connect home and many business computers to the telephone company. To reduce cross talk or Intro-Magnetic Induction between pairs of wires.

Shielded twisted pair \Rightarrow This types of cables

Except the signal wires in a conducting shield as the means of reducing the potential for Electro-Magnetic Interference.

Ans 3 Base Band is used to describe band width and channels in tele-communication and signal processing. Base band signal are transmitted without modification i.e. is without any shift in the range of frequency of a signal and are low frequency connected with in the band.

Broad Band Connection is a high speed Internet-connection. It is a wide band with data transmission with an ability to transport multiple signal of traffic types.

Ans 4 HUBS \Rightarrow Hub is a device i.e. split a network connection into multiple computers. It is like a distribution center where a computer request information from a network or specific computer it send the request to the Hub through a cable.

SWITCH \Rightarrow Switch is a tel-communication device group as one of computer network component. Switch is like a Hub but it stores advance features. It uses physical device address in each incoming message so that it can deliver the message to the right destination.

ROUTER \Rightarrow Router is a hardware device which

is designed to take incoming packet, Analyses the packet, Moving the packet to Another Network.

Ans 7

A good firewall. This can stop installation, Malware, un-authorized Access etc. before they reach the workstations.

Antivirus software on the servers and at the endpoint workstations. This software should be centrally managed to keep end users updated consistently and to minimize user meddling with the settings and antivirus will also protect email clients.

Educated and aware users who: do not casually install downloaded programs; don't click on unknown links; don't fall for phishing, email etc. Establish a strong password policy for all users.

Ans 11

Ans 8

static address does not change any time it means if a static IP address is provided then it can't be changed or modified, which dynamic IP address change any time.

Ans 12

The data transmission means how the data transmission can be carried out from one place to another place. Basically there can be two types of Asynchronous Communication and synchronous Communication.

Ans 10

A web browser (commonly referred to as a browser) is a software application for accessing information.

on the World Wide Web. When a user request a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device.

Common web browsers include Microsoft Internet Explorer, Google Chrome, Mozilla Firefox and Apple Safari.

Ans 11

A program that searches for and identifies items in a database that correspond to keywords or characters specified by the user, used especially for finding particular sites on the World Wide Web.

A search engine is a software system that is designed to carry out web searches, which means to search the World Wide Web in a systematic way for particular information specified in a textual web search query.

Ans 12

An Internet service provider is a company such as AT&T, Verizon, Comcast or Spectrum that provides Internet access to companies, families and even mobile users. ISPs use fiber-optics, satellite, copper wire, and other forms to provide Internet access to its customers.

Rank	ISP	Broadband
1	Reliance Jio	388,390,116
2	Airtel	148,569,937

Ans 3: An Internet Service provider is an organization that provides a myriad of service for accessing, using, or participating in the Internet. Internet Service providers can be organized in various forms, such as commercial, community-owned, non-profit or otherwise privately owned. Such as AT&T, Verizon, Comcast, or Spectrum that provides Internet access to companies, families and even mobile users.

Ans 4: MAC Address \Rightarrow A Media Control address is a unique identification Network address in communications with in a Network segment.

IP address \Rightarrow An Internet protocol address in a numerical assigned to each device connected to a computer network that uses the Internet protocol for communication.

Port Address \Rightarrow Port Address is the number of the number of the addressing information used to identify the computer sender and received of message in computer networking. Different port numbers are used to determine what protocol incoming traffic should be directed to.

Ans 15:

View your browsing history and delete specific sites. In Internet Explorer, select the favorite button, select the history tab, and choose how you want to view your history by selecting filters from Menu. To delete specific sites, right click a site from any of these links and then select delete.

A web browser is a software application for retrieving, presenting and traversing information resources on the ^{wide} World Web. It further provides for the capture as input of information which may be returned to the presenting system, then stored or processed as necessary. The method of accessing a particular page or content is achieved by entering its address known as a Uniform Resource Identifier or URI.