

ASSIGNMENT

1. Assignment

Ques 1: What are the different types of Network?

Ans: 11 types of Network explained:

- Personal area Network (PAN).
- Local area Network (LAN).
- Wireless local area Network (WLAN).
- Campus area Network (CAN).
- Metropolitan area Network (MAN).
- Wide area Network (WAN).
- Storage area Network (SAN).
- System area Network (also known as SAN).
- Passive optical local area Network (POLAN).
- Enterprise private Network (EPN).
- Virtual Private Network (VPN).

Ques 2: Explain the Shielded twisted pair (STP) and unshielded twisted pair (UTP).

Ans: Shielded twisted pair has the individual pair of wires wrapped in foil which are then again wrapped for double protection.

Unshielded twisted pair (UTP) has each pair of wires twisted together. These wires are often wrapped in tubing without any other protection.

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Q3: What are the difference between baseband and broadband transmission?

Ans: The major difference b/w baseband and broadband transmission is that baseband transmission uses the complete band width for the transmitting the signals and occupy the whole cable while in broadband transmission, at the same time, multiple signals can be transmitted using multiple frequencies.

Q4: Difference b/w a hub, modem, router & switch.

Ans: A switch transmits data from one device to another in the form of frames while a router transmits one data to another in the form of packets. A hub transmits data from one device to another in the form of binary bits.

Q5: When you move the NIC card from one PC to another PC, does the MAC address gets transferred as well?

Ans: Yes, Because MAC addresses are hard-wired into the NIC circuitry, not the PC. This also means that the PC can have a different MAC address when another one is replaced the NIC card.

Q6: When trouble shooting computer Network prep. What common hardware related problems

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Can occur?

Ans: A large percentage of a Network is made up of hardware. Problems in these areas can range from malfunctioning hard devices, broken WLLs and even hardware startups.

Ques: In a Network that contains two servers twenty workstations, where is the best place to download an antivirus program?

Ans: You need at least three level of security to install an antivirus program.

(1) A good firewall. This can stop instructions unauthorized access etc. before they reach the workstation.

(2) Antivirus Software on the servers and at the endpoint workstation. This Software should be centrally to keep end users updated constantly and to minimize user meddling with the settings. Good antivirus will also protect email clients.

(3) Educated and aware users who do not casually install downloaded programs don't click on unknown links don't fall for phishing.

Ques: Define static IP and dynamic IP? Discuss the difference b/w IPV4 & IPV6?

Ans: Static IP address is provided by internet

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Service provided and remains fixed till the system is connected to the network. Dynamic IP address is provided by DHCP. Generally a company gets a single static IP address. When a computer generates the dynamic IP address for its computer within the organization network. The main difference b/w IPV4 & IPV6 is the address size of IP address. The IPV4 is a 32 bit address whereas IPV6 is a 128 bit hexadecimal address. IPV4 provides a layer 3 address and it contains a simple header as compared to IPV6.

Ques Discuss TCP/IP model in detail.
Ans TCP/IP reference model is a four layered suite of communication protocol of logical transmission of data over the network. The main protocol ICMP, IGMP, RARP and ARP.

Ques What is a web browser? Give some examples of web browser.

Ans A web browser or simply browser is an application used to access and view websites. Common web browsers include, Microsoft Edge, Internet Explorer, Google Chrome, Mozilla Firefox and Apple Store.

Ques What is a search engine? Give example?

Ans A search engine is a platform on which user can search the internet content easily. Google, Yahoo.

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Date Ques

What is the internet and www? what are the use of internet in our daily life.

Ans

Internet is a global computer network providing a variety of information and communication facilities, consisting of interconnected network using standardised communication protocols.

The www, commonly known the web, is the world's dominant software platform, it is an interconnected system of public webpage accessible through the internet.

Uses of Internet:

- (i) online Banking & orders
- (ii) Cashless transactions.
- (iii) Education.
- (iv) Research and more.

Ques

What is Internet service provider? Give some examples of ISP in India?

Ans

A company that provides subscriber with access to the internet is called internet service provider. eg. Airtel, BSNL, Jio, vodafone etc.

Ques

Discuss the difference b/w Mac address and IP address and port address?

Ans

The main difference b/w Mac address IP address and port address is that mac address is used to ensure the physical address of computer while IP address is used to identify the connection of the Network with that device takes port in a network.

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Ques: How do we view my internet browser history?

Ans: open it by pressing Alt. to show the menu bar, then choosing View Sidebox then click on history.