

ASSIGNMENT

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Q1 what are the different types of Network?

Ans 11 types of Network explained.

- (a) Personal area Network (PAN)
- (b) Local area Network (LAN)
- (c) Wireless local area Network (WLAN)
- (d) Campus area Network (CAN)
- (e) Metropolitan area Network (MAN)
- (f) Wide area Network (WAN)
- (g) Storage area Network (SAN)
- (h) System area Network (also known as (SAN))
- (i) Passive optical local area Network (POLAN)
- (j) Enterprise private Network (EPN)
- (k) Virtual Private Network (VAN)

Q2 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 then wrapped in tubing without any other protection.

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QNo3: 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 bandwidth for the transmitting the signals and occupies the whole cable while in broadband multiple transmission at the same time, multiple signals can be transmitted using multiple frequencies.

QNo4) Difference b/w and hub; modern 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 data in the form of packets. A hub transmits data from one device to another in the form of binary bits.

QNo5) When you move the NIC card from one PC to another pc, does the MAC Address gets transferred as well?

Ans Yes Because MAC address 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 replaced the NIC card.

QNo6) When trouble shooting Computer Network prep what common Hardware related Problem

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can occur.

Ans: A large percentage of a Network is made up of hardware problems in these areas ranging from malfunctioning hard devices, broken NICs and even hardware. Startups.

Q707: In a Network that contains two servers twenty workstations, where is the best place to download an antivirus program.

Ans: you need at these level of security to install an antivirus program.

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

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

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

Q8: Define Static IP and dynamic IP. Discuss the difference b/w IPv4 & IPv6.
Ans: Static IP address is provided by internal

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Service provides and remain fixed till the system is connected to the network. Dynamic IP address is provided by DHCP. Generally, a company gets a single static IP and then generates the dynamic IP address for its computer, with in the organization network. The main difference b/w IPv4 & IPv6 is the address size of IP address. The IPv4 is a 32 bit address where as IPv6 is a 128 bit hexadecimal address. IPv6 provides a large address space and it contains a simple header as compared to IPv4.

Q No 9 Discuss TCP/IP model in detail.

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

Q No 10 What is a web browser? Give some example of web browser.

Ans A web browser or simple 'browser' is an application used to access and view web sites. Common web browsers include: Microsoft Edge, Internet Explorer, Google Chrome, Mozilla Firefox and Apple Safari.

Q No 11 What is a Search engine? Give example.

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Ans A search engine is a platform on which user can search the internet content
e.g. google, yaho.

Ques 12:- What is the internet and what is its use in our daily life?

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

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

Uses of internet:

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

Q13 What is Internet Service provider? Give some example of ISP in India.

Ans A company that provides subscriber with access to the internet is called internet service provider e.g. Airtel, BSNL, Jio, vega etc.

Q.14 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 part in Network.

Q.15: How do we view any internet browser history?

Ans open it by Pressing Alt to show the menu bar, then choosing View Sidebar then click on history.