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CCA-102 Data Communication

Q.01 What are the different type of network?

Ans:

- i) PAN: Personal area network
- ii) LAN: Local area network.
- iii) MAN: Metropolitan area network.
- iv) WAN: wide area network.

Q.02 Explain the shielded twisted pair (STP) and unshield twisted pair (UTP)?

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

Unshield twisted pair cable has each pair of wire together, these wire are wrapped in tubing without any protection.

Q.03 What is the difference between baseband & broadband transmission?

Ans: Baseband transmission is the digital signal using physical medium like wire.

Where, Broadband signal is the analog signal using optical fibre and twisted cable as a medium of transmission.

Q.04 What is the difference between hub, modem, router and switch?

Ans: Hub: A hub transmitted data from one device to another in the form of binary bit.

Modems: Modems are used to connect to the internet while hub are used in local area network.

A modem is used as a interface between a digital and analog signal.

Router: A router transmit data from one network to another in the form of packets.

Switch: A switch transmit data from one device to another in the form of frames.

Q:? When you move the NIC card from one PC to another PC, Does the mac address get transferred as well?

Ans: Yes that is because MAC address get transferred into the NIC card not to PC. This also meant that a PC can have a different MAC address when different another one replaced the NIC card.

Q:? When trouble shooting computer network problem what common hardware related problem can occur

Ans: A large percentage of network is made up of hardware problem as the

These gears can range from malfunctioning hardware drives, broken NIC and even hardware startup's

Q107? In the network that contain two source are twenty workstation where is the best place to install an anti-virus program?

Ans: The best solution is to install anti-virus on all the computer in the network

Q108? Define static IP, and dynamic IP, Discuss difference between IPV4 and IPV6.

Ans: When a device is assigned as static IP address, the address does not change. Most device used dynamic device IP address which are assigned by the network when they connect and change over time.

The main difference between IPV4 and IPV6 is the address size of IP address. The IPV4 is 32 bit address and it contains simple header.

Q109. Discuss TCP/IP model in detail?

Ans: It stands for Transmission Control Protocol. The TCP/IP model, it contains four layers, unlike some layer is the OSI model.

Q.010, what is web browser? Give an example of browser?

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

Q.011 what is search engine Give an example

Ans.: A search engine is a web-based tool that enables user to locate information on the world wide web, (WWW).
E.g., Google, Yahoo and MSN Search.

Q.012 what is internet and www? what are the uses of internet in our daily life?

Ans.: The world wide web or simply web for short are the pages you see when you are at device and online.

But the internet is the network of connected computers that the web works on as well as what email and files are sent across. Think of the internet as the road that connects towns and cities together. The internet is very useful in many ways in our daily life.

It help us to see our modification and email. Apart from this it is usefull to pay bill online Study. etc.

Q.13 what is an internet service provider
Give an example of ISP in India?

Ans: The internet service provider is an organisation that provide services for accessing or using or participating in the internet. Internet service provider can be organised in various form such as commercial community owned non-profit or otherwise primarily. The example of some internet service provider are Hathway, BSNL, Tata, Tele-Services, Reliance Jio, Airtel, Fibernet and many more working in india, as well as world wide internet service providing service for using the internet.

Q.14 Discuss the difference between MAC address and IP address?

Ans: MAC address stand for media Access Control address

IP Address stand for internet protocol address
MAC address ensure that physical address of the computer is unique.

IP address is a logical address of computer and is used to unique locate computer connected via network.

Q.15. How does we view my internet browser history?

Ans: In the lower half corner of the browser window tap and hold the back arrow. The page that open contain your browser history.