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Course - CCA.

Assignment → 102.

Ques: what are the different types of network?

- Ans:
- 1 PAN $\rightarrow$ Personal area network.
 - 2 LAN $\rightarrow$ Local area network.
 - 3 MAN $\rightarrow$ Metropolitan area network.
 - 4 WAN $\rightarrow$ wide area network.

Ques: Explain the shield 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.

Ques: 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.

Ques: what is the difference between hub, modems, router and switch?

Ans: Hub $\rightarrow$ A hub transmits data from one device to another in the form of binary bit.

Modems $\rightarrow$ Modems are used to connect to the internet while hub are used in local area network. A modem is used as an interface between a digital and analog signal.

Router → A router transmits data from one network to another in the form of packets.
Switch → A switch transmits data from one device to another in the form of frames.

Ques → 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 universally not to PC. This also means that a PC can have a different MAC address when different mother board uploads the NIC Card.

Ques → When trouble shooting Computer network problem, what common hardware related problems can occur?

Ans → A large percentage of network is made up of hardware problem as these gears can range from malfunctioning hardware devices, broken NIC and even hardware startups.

Ques →

In the network that contains two servers are two workstations where is the best place to install an anti-virus program?

Ans → The best solution is to install antivirus on all the computers in the network.

Ques → 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 devices use dynamic device IP address which are assigned by the network when they connect and change.

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over time.

The main difference between IPv4 and IPv6 is the address size of IP address the IPv4 is in 32 bits address and it contains simple header.

Ques → Discuss TCP/IP model in detail.

Ans → It stands for Transmission Control Protocol the TCP/IP model. It contains four layers. Unlike some layers is the OSI model.

Ques → What is web browser? Give an example of browser?

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

Ques → What is search engine Give an example?

Ans → A search engine is a web-based tool that enables us to use etc. locate information on the World Wide Web (WWW) e.g. Google, Yahoo and MSN search.

Ques → What is Internet and WWW? What are all the uses of Internet in our daily life?

Ans → The World Wide Web or simply web is the page you see when you are not at a device and online.

But the Internet is the network of connected computers that the web works on as well as what email and file transfer access. Think of the Internet as the road that connects down and connects together. The Internet is very useful in many ways in our daily life.