

9/4/19

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QHP 1

{ NETWORKING X CONCEPTS }

* Answer the following:-

Q1. What is a computer Network?

Ans A computer Network can be defined as a group of computers and other peripheral devices that are linked together for the purpose of sharing data and hardware resources.

Q2. What is the role of transmission medium in a computer network?

Ans It is the physical path through which the message travels from the sender to the receiver.

Q3. What are any two advantages of Networking?

Ans Two advantages of networking are

- Efficient use of storage media.
- Efficiency.

Q4

What is a coaxial cable? Differentiate between Broadband and baseband Coaxial Cable.

Ans

A coaxial cable is used in the transmission of video, communication signal and audio. It is mainly used by the cable television industry to connect TVs to cable TV service.

Baseband

It supports quick transmission of a single signal at a time.

It is mainly used for LANs.

Broadband

It transmits a ~~video~~ multiple signals at the same time and is used for longer distance.

Q5

Differentiate Bluetooth and infrared wireless technology.

Ans

Bluetooth

- Bluetooth is a communication technology that uses low power radio waves to connect electronic devices.
- It allows users to talk and share information like voice, music.

Infrared

Infrared technology is a short range communication technology that covers approximately some tens of distance. It is used to exchange information between computer, etc.

Q10-6. What is the utility of Domain Name? Explain with the help of an example.
Ans Domain Name is a unique name given to each website or resource connected to internet. The use of Domain name is that it is easier to remember than IP addresses since name has strong correlation with the website. For example the domain name for Google is google.co.in.

Q7. What is the role of Gateway in computer network?
Ans Gateway is used to transmit ~~the~~ network perfectly at the certain local area.

Q8. Write a short note on the following.
 i) Wi-Fi - WI-FI stands for wireless fidelity. It creates a wireless local area network that uses radio waves to send the information.
 ii) Modem - A modem enables you to connect your computer to the available internet connection over existing telephone lines.

iii)

Cluster Area Network (can) - It is a network that comprises a series of small ANs over a small geographical area, such as college campus.

Q 9.

write two points of differences for each of the following:

Ans 1) Hub and switches

HUB:-

- A HUB is a networking device that is used to connect multiple computers of the communication.
- The connection are established using fibre optic cables.

Switches.

It is also like hub but it also maintain the speed between devices.

Switches

2)

Router.

- Router is a communication device that is used to connect two different network such as as two lan, WAN.
- It plays vital role in controlling traffic and keeping network efficient.

Repeater

A repeater is a communication device, used to regenerate a signal.

It receives electronic signals, clean them and retransmits them.