

- Which of the following IEEE standard defines ethernet frame?

- a. IEEE 802.2
- \* b. IEEE 802.3
- c. IEEE 802.4
- d. None of the above

- Which of the following topology requires a central controller or hub?

- a. Mesh
- b. Bus
- \* c. Star
- d. Ring

- ----- has slowest transmission speed as compared to others.

- a. Twisted pair cable
- \* b. Coaxial cable
- c. Fiber optic cable
- d. None of the above

- Each computer on an ethernet LAN is identified by a \_\_\_\_\_ address.

- a. 24 bit
- b. 32 bit
- \* c. 48 bit
- d. none of the above

- For which of the following address, network interface cards need to be specially programmed.

- a. Unicast
- b. Multicast
- c. Broadcast
- d. all of the above

- Which of the following topology requires repeaters to be placed to connect nodes?

- a. Mesh
- \* b. Star
- c. Bus
- d. Ring

- Which fields are contained within an IEEE Ethernet frame header?

- a. Source and destination MAC address.

- b. Source and destination Network Address.
- c. Source and destination MAC address and Source and destination Network Address.
- d. All of the above

- What type of cable do you use to connect a Router to Switch?

- a. Electric cable
- b. Rolled
- \* c. UTP/STP
- d. Crossover with a CSU/DSU

- Which cable used for long distance?

- a. STP
- b. UTP
- c. Coaxial cable
- \* d. Fiber-optic cable

- Which of the following is not Media Access Control method in LAN?

- a. Ethernet
- b. Token Ring
- c. Both a and b
- d. None of the above

- NIC stands for

- \* a. Network Interface Card
- b. National Internet Code
- c. Network Isolated Card
- d. Network International Code

- Fast ethernet also called as

- a. standard 802.3z
- \* b. standard 802.3u
- c. standard 802.3s
- d. standard 802.3y

- In a network with 25 computers, which topology would require the most expensive cabling

- a. Bus
- b. Star
- \* c. Mesh

d. Ring

- Which of the following item is not used in Local Area Networks(LAN)?

a. Computer

\* b. Modem

c. Printer

d. Cable

- Which technique is used in CSMA/CD networks in order to avoid repeated collisions?

a. collision avoidance

b. crash prevent

c. exponential back-off

\* d. exponential collisions

- In CSMA/CD, a node monitors the medium after it sends a frame to see if the transmission was successful.

a. False

\* b. True