

In _____, network occupies the smaller area like a room, a floor or a building.

Answer (Please select your correct option)

☐ LAN

correct

☐ WAN

☐ MAN

☐ Wireless WAN

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Start Time: 11:16 AM

In which type of network topology, computers are connected to a central device?

Answer (Please select your correct option)

☐ Ring

correct

☐ Mesh

☐ Bus

☐ Star

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The term _____ refers to the general concept of a small block of data in a computer network.

Answer (Please select your correct option)

☐ Packet

correct

☐ Byte

☐ Cell

☐ Information

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_____ is the scheme, which is designed to help in detecting transmission errors by sending one extra bit of information with each character.

Answer (Please select your correct option)

☐ Parity checking

correct

☐ Checksums

☐ CRC

☐ LRC

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_____ have advantages arisen from the size and ease of computation.

Answer (Please select your correct option)

☐ CRC

☐ Parity

☐ Checksums

correct

☐ VRC

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The Fast Ethernet hardware operates at a rate of _____.

Answer (Please select your correct option)

☐ 10 Mbps

☐ 100 Mbps

correct

☐ 1000 Mbps

☐ 1 Gbps

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The Gigabit Ethernet hardware operates at a rate of _____.

Answer (Please select your correct option)

☐ 10 Mbps

☐ 100 Mbps

☐ 1000 Mbps

correct

☐ 10 Gbps

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Wireless LAN uses _____ as a media access method.

Answer (Please select your correct option)

☐ CSMA/CD

☐ CSMA/CA

correct

☐ Token Passing

☐ CSMA

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The _____ relies on the hardware manufacturer to assign a unique physical address to each network interface.

Answer (Please select your correct option)

☐ Static addressing scheme

correct

☐ Configurable addressing scheme

☐ Dynamic addressing scheme

☐ Dynamic Configurable addressing scheme

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IEEE LLC/SNAP header is consist of _____ which is used to specify the type of data.

Answer (Please select your correct option)

☐ 8 octets

correct

☐ 10 octets

☐ 12 bytes

☐ 16 bits

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Formally named _____ is informally known as the twisted pair Ethernet or TP Ethernet.

Answer (Please select your correct option)

☐ 10 Base 2

☐ 10 Base 5

☐ 10 Base T

correct

☐ 100 Base T

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_____ senses a signal on a cable and then transmits an amplified copy of the signal.

Answer (Please select your correct option)

☐ Bridge

☐ Hub

☐ Transceiver

☐ Repeater

correct

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Generally a Bridge is used to perform _____.

Answer (Please select your correct option)

- ☐ Extend a LAN, Filter and Forward a packet
- ☐ Routing
- ☐ Filter and Forward a frame
- ☐ Filter and Forward a packet

correct

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Which of the following is not used to extend LAN ?

Answer (Please select your correct option)

- ☐ Bridge
- ☐ Repeater
- ☐ Fiber modem
- ☐ HUB

correct

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If a bridge is unable to find _____ in its table then it just forwards frames to the other segment.

Answer (Please select your correct option)

- ☐ IP address
- ☐ Destination address
- ☐ Source address
- ☐ Port address

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Most WAN systems include a mechanism that can be used to eliminate the common case of duplication routing is called _____.

Answer (Please select your correct option)

- ☐ Dynamic route
- ☐ Hierarchal address
- ☐ Default route
- ☐ Shortest path

correct

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The working of connection-oriented service for networking is similar to the _____.

Answer (Please select your correct option)

- ☐ Ethernet
- ☐ Telephone
- ☐ IP
- ☐ UDP

correct

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ATM assigns each VC a _____ identifier which is divided into two parts to produce a hierarchy.

Answer (Please select your correct option)

- ☐ 23-bit
- ☐ 24-bit
- ☐ 21-bit
- ☐ 22-bit

correct

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_____ is used for delay sensitive applications requiring high data rate.

Answer (Please select your correct option)

☐ Constant Bit Rate (CBR) service

correct

☐ Variable Bit Rate (VBR) service

☐ Available Bit Rate (ABR) service

☐ Uniform Bit Rate (UBR) service

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Header of cell takes _____ of network capacity.

Answer (Please select your correct option)

☐ 5%

☐ 10%

correct

☐ 12%

☐ 15%

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Network operator needs a temporary virtual circuit for his network. Which type of ATM virtual circuit is most appropriate in this situation?

Answer (Please [click here to Add Answer](#))

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Describe two major components of thick Ethernet.

Answer ([Please click here to Add Answer](#))



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If a packet switch does not check header's source information then how it can be beneficial for routing? Write any three benefits.

Answer ([Please click here to Add Answer](#))



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Is it necessary to use terminator at both ends of thin Ethernet cable? Give your answer with at least two reasons.

Answer ([Please click here to Add Answer](#))



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Suppose, as a Network Administrator of XYZ organization you are given a task to develop a network in a limited area with low cost, then which wiring scheme will you use? Justify your answer with four solid reasons.

Answer ([Please click here to Add Answer](#))



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Star textile has multiple LANs with packet switches. It is required that if any link goes down/breakup, the entire network traffic should arrive to respective destination smoothly. Which routing method will meet this requirement? Give at least three reasons to support your answer.

Answer ([Please click here to Add Answer](#))



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