Question No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)

ATM was designed for _____ and use a_____

Answer (Please select your correct option)

- LANs, Connectionless service paradigm
- WANs, Connectionless service paradigm
- Both LANs and WANs, Connectionless service paradigm
- Both LANs and WANs, Connection-oriented service paradigm

correct

Made By: Waqar Siddhu

Question No : 2 of 26 Marks: 1 (Budgeted Time 1 Min)

In broadcast topology there are two categories____.

Answer (Please select your correct option)

- Satellite/Radio and Ring
- Satellite/Radio and Star
- Ring and star
- Satellite/Radio

correct

Made By: Waqar Siddhu

Question No : 3 of 26 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- CRC
- Parity
- Checksums

correct

- VRC

Made By: Waqar Siddhu

Question No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)

When an application---------- data, it makes a copy of the data available to all other computers on the network.

Answer (Please select your correct option)

- Broadcasting
- Multicasting

correct

- Unicasting
- Anycasting

Made By: Waqar Siddhu

Question No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)

Basic LAN technologies such as Ethernet, Token Ring, and FDDI use a _____.

Answer (Please select your correct option)

- Connectionless service paradigm

correct

- Connection-oriented service paradigm
- Both Connectionless and Connection-oriented service paradigm
- Connection-oriented service paradigm without acknowledgment

Made By: Waqar Siddhu

Question No : 6 of 26 Marks: 1 (Budgeted Time 1 Min)

If the sending computer crashes before transmitting a complete frame, the_____will not arrive and the receiver will know that the frame is_____.

Answer (Please select your correct option)

- soh, complete
- soh, incomplete
- eot, incomplete

correct

- eot, complete

Made By: Waqar Siddhu

Question No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)

---------- was especially most concerned about the lack of highly powered computers.

Answer (Please select your correct option)

- ARPA

correct

- IEEE
- EIA
- Goverment

Made By: Waqar Siddhu

Question No : 8 of 26 Marks: 1 (Budgeted Time 1 Min)

"Frame type" field of the header consists of _____ bits.

Answer (Please select your correct option)

- 8
- 10
- 16

correct

- 32

Made By: Waqar Siddhu

Question No : 9 of 26 Marks: 1 (Budgeted Time 1 Min)

Virtual Circuit connection identifier occupies _____bits.

Answer (Please select your correct option)

- 16

correct

- 24
- 32
- 8

Made By: Waqar Siddhu

Question No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ 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

Made By: Waqar Siddhu

Question No : 11 of 26 Marks: 1 (Budgeted Time 1 Min)

One repeater _____, two repeaters _____ the maximum cable length limitation.

Answer (Please select your correct option)

- Square root, Cube root
- Double, Triple

correct

- Triple, Quad
- Double, Quad

Made By: Waqar Siddhu

Question No : 12 of 26 Marks: 1 (Budgeted Time 1 Min)

A Bridge forwards or filters a frame by comparing the information in its address table to the frame's_____.

Answer (Please select your correct option)

- Layer 2 source address
- Layer 3 source address
- Layer 2 destination address

correct

- Layer 3 destination address

Made By: Waqar Siddhu

Question No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)

A network that permits many sources to take turns accessing a shared communication resource is providing a form of _____.

Answer (Please select your correct option)

- Phase Division Multiplexing
- Time Division Multiplexing
- Frequency Division Multiplexing
- Wave Division Multiplexing

Made By: Waqar Siddhu

Question No : 14 of 26 Marks: 1 (Budgeted Time 1 Min)

No error detection scheme is perfect because transmission errors can affect _____.

Answer (Please select your correct option)

- Data
- Additional Information
- Additional information & data

correct

- Transmission medium

Made By: Waqar Siddhu

Question No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)

LAN that uses ATM technology has a_____.

Answer (Please select your correct option)

- Star topology

correct

- Bus topology
- Ring topology
- Mesh topology

Made By: Waqar Siddhu

Question No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)

FDDI can transmits data at a rate of _____.

Answer (Please select your correct option)

- 100 million bits per second — correct
- 10 million bits per second
- 1000 million bits per second
- 3 million bits per second

Made By: Waqar Siddhu

Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

The next hop to which a packet is sent depends only on_____.

Answer (Please select your correct option)

- Packet's destination — correct
- Packet's original source
- Path the packet has taken
- Routed Protocol

Made By: Waqar Siddhu

Question No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)

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 — correct
- Shortest path

Made By: Waqar Siddhu

Question No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ in which delay among packets can vary.

Answer (Please select your correct option)

- Virtual Private Network
- Isochronous Networks
- Asynchronous Networks
- Synchronous Networks

Made By: Waqar Siddhu

Question No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)

A typical port on an ATM switch operates at _____ or higher.

Answer (Please select your correct option)

- OC-2 speed (155Mbps)
- OC-3 speed (100Mbps)
- OC-3 speed (155Mbps)

correct

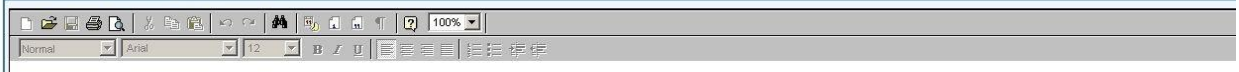
- OC-3 speed (155Gbps)

Made By: Waqar Siddhu

Question No : 21 of 26 Marks: 2 (Budgeted Time 4 Min)

Suppose XYZ organization is using hierarchal addressing scheme in routing tables. Write any two advantages of using this scheme of addressing.

Answer (Please click here to Add Answer)



Made By: Waqar Siddhu

Question No : 22 of 26 **Marks: 2 (Budgeted Time 4 Min)**

Suppose ABC Corporation has a small number of packet switches and computer systems in its computer network. If entire network is stable with single network link than which routing method will be most appropriate for this scenario?

Answer (Please click here to Add Answer)

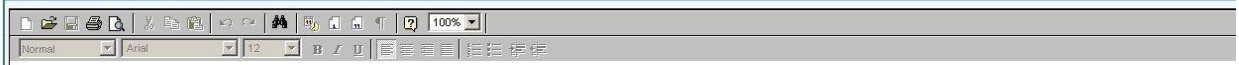


Made By: Waqar Siddhu

Question No : 23 of 26 **Marks: 3 (Budgeted Time 6 Min)**

Suppose in university campus, bridges are used in its local area network. Explain all steps, how bridge builds up addresses list table of all attached computers?

Answer (Please click here to Add Answer)

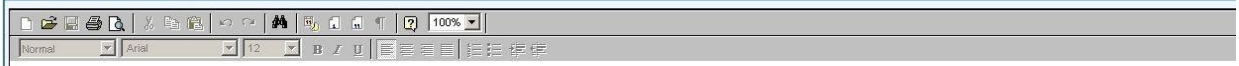


Made By: Waqar Siddhu

Question No : 24 of 26 **Marks: 3 (Budgeted Time 6 Min)**

Suppose you are a Network Engineer in an ISP which is providing different technological services like one of these may be cell based network. Here, as a Network Engineer you must know that which term is used to refer the "information" related to the network but not refers to the "information" that only uses the network". Give the name of this term and the reserved values it uses.

Answer (Please click here to Add Answer)



Made By: Waqar Siddhu

Question No : 25 of 26 Marks: 5 (Budgeted Time 10 Min)

A network sends and receives bits faster than computer's CPU. Explain how a computer attached to a network can handle this speed difference? Does the CPU have any role in handling it?

Answer (Please click here to Add Answer)

Made By: Waqar Siddhu

Question No : 26 of 26 Marks: 5 (Budgeted Time 10 Min)

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

Answer (Please click here to Add Answer)

Made By: Waqar Siddhu

Question No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- LAN correct
- WAN
- MAN
- PAN

Made By: Waqar Siddhu

Question No : 2 of 26 Marks: 1 (Budgeted Time 1 Min)

A network that uses a ------ usually consist of a single long cable to which computers attach.

Answer (Please select your correct option)

- Bus Topology — correct
- Tree Topology
- Star Topology
- Ring Topology

Made By: Waqar Siddhu

Question No : 3 of 26 Marks: 1 (Budgeted Time 1 Min)

A network uses a ------ if all computers attach to a central point

Answer (Please select your correct option)

- Star Topology — correct
- Ring Topology
- Bus Topology
- Mesh Topology

Made By: Waqar Siddhu

Question No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)

A---------- provides mechanism that automatically assignes a physical address to a station when the station first boots.

Answer (Please select your correct option)

- Static addressing scheme
- Configurable addressing scheme
- Dynamic addressing scheme — correct
- Dynamic Host Configuration

Made By: Waqar Siddhu

Question No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)

---------- was especially most concerned about the lack of highly powered computers.

Answer (Please select your correct option)

- ARPA

correct

- IEEE
- EIA
- Goverment

Made By: Waqar Siddhu

Question No : 6 of 26 Marks: 1 (Budgeted Time 1 Min)

A bridge functions in the _____ layer(s).

Answer (Please select your correct option)

- Physical

correct

- Data link
- Network and Data link
- Physical and Data link

Made By: Waqar Siddhu

Question No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not used to extend LAN ?

Answer (Please select your correct option)

- Bridge
- Repeater
- Fiber modem
- Router

correct

Made By: Waqar Siddhu

Question No : 8 of 26 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Ethernet
- Telephone

correct

- IP
- UDP

Made By: Waqar Siddhu

Question No : 9 of 26 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Repeater

correct

- Bridge
- Hub
- Transceiver

Made By: Waqar Siddhu

Question No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)

Unlike Frame Relay and ATM, SMDS (Switched multi-megabit Data service) offers_____ .

Answer (Please select your correct option)

- Connectionless service paradigm

correct

- Connection oriented service paradigm
- Both Connectionless and Connection-oriented service paradigm
- Stateless Connection oriented service paradigm

Made By: Waqar Siddhu

Question No : 11 of 26 Marks: 1 (Budgeted Time 1 Min)

A Bridge forwards or filters a frame by comparing the information in its address table to the frame's_____.

Answer (Please select your correct option)

- Layer 2 source address
- Layer 3 source address
- Layer 2 destination address

correct

- Layer 3 destination address

Made By: Waqar Siddhu

Question No : 12 of 26 Marks: 1 (Budgeted Time 1 Min)

ATM is designed to work on_____.

Answer (Please select your correct option)

- Twisted Pair
- Coaxial
- Radio Frequency
- Fiber

correct

Made By: Waqar Siddhu

Question No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ identifies intermediate computers along a path to remote destination

Answer (Please select your correct option)

- Ping
- Traceroute

correct

- ICMP
- OSPF

Made By: Waqar Siddhu

Question No : 14 of 26 Marks: 1 (Budgeted Time 1 Min)

_____ computes shortest paths in a graph by using weights on edges as a measure of distance.

Answer (Please select your correct option)

- Greedy Algorithm
- Distance vector Algorithm
- Dijksta's algorithm

correct

- Binary Search Algorithm

Made By: Waqar Siddhu

Question No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)

_____has no way to determine the cause of the problem.

Answer (Please select your correct option)

- ICMP
- ARP
- Ping

correct

- Traceroute

Made By: Waqar Siddhu

Question No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)

A network that permits many sources to take turns accessing a shared communication resource is providing a form of _____.

Answer (Please select your correct option)

- Phase Division Multiplexing
- Time Division Multiplexing
- Frequency Division Multiplexing
- Wave Division Multiplexing

Made By: Waqar Siddhu

Question No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)

No error detection scheme is perfect because transmission errors can affect _____.

Answer (Please select your correct option)

- Additional Information
- Additional information & data

correct

- Transmission medium
- Data

Made By: Waqar Siddhu

Question No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)

Computers attached to an ethernet use _____ in which a computer waits for the Ether to be idle before transmitting a frame.

Answer (Please select your correct option)

- CSMA/CD

correct

- CSMA/CA
- Token Passing
- Round Robin

Made By: Waqar Siddhu

Question No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)

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

correct

- Shortest path

Made By: Waqar Siddhu

Question No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)

A typical port on an ATM switch operates at _____ or higher.

Answer (Please select your correct option)

- OC-2 speed (155Mbps)
- OC-3 speed (100Mbps)
- OC-3 speed (155Mbps) correct
- OC-3 speed (155Gbps)

Made By: Waqar Siddhu

Question No : 21 of 26 Marks: 2 (Budgeted Time 4 Min)

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)

Made By: Waqar Siddhu

Question No : 22 of 26 Marks: 2 (Budgeted Time 4 Min)

Defaults routes are used in networks. You are required to write two benefits of using default route.

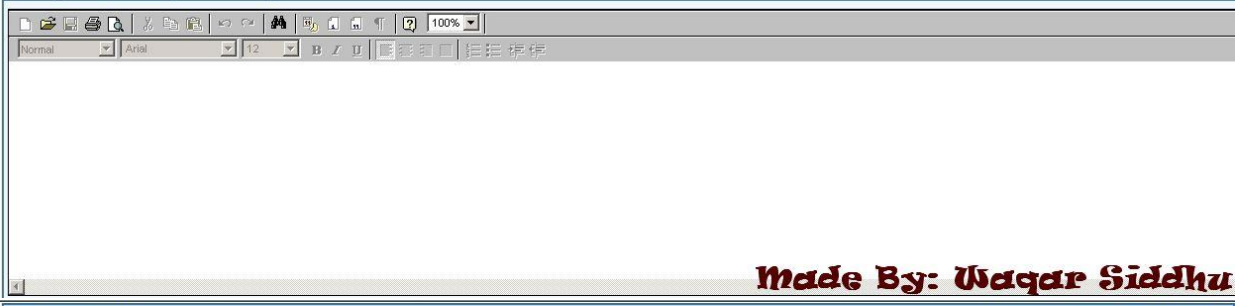
Answer (Please click here to Add Answer)

Made By: Waqar Siddhu

Question No : 23 of 26 Marks: 3 (Budgeted Time 6 Min)

ATM provides the best support for multiple services. Due to which reasons ATM is not adopted as a single underline technology? Give any three reasons to justify your answer.

Answer (Please click here to Add Answer)

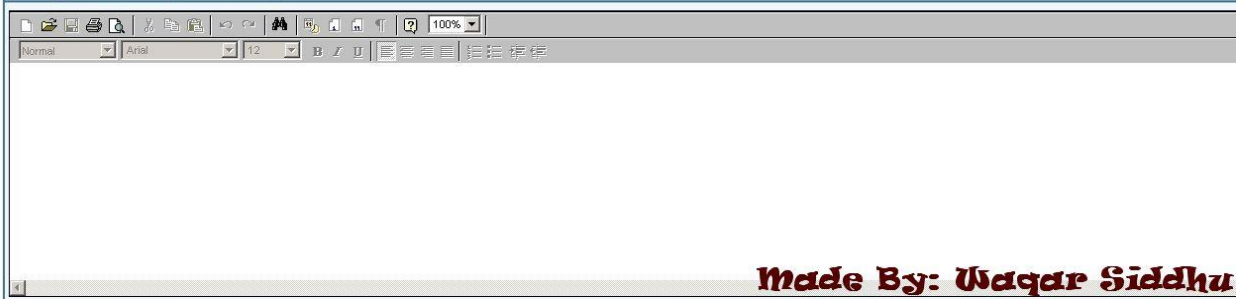


Made By: Waqar Siddhu

Question No : 24 of 26 Marks: 3 (Budgeted Time 6 Min)

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)



Made By: Waqar Siddhu

Question No : 25 of 26 **Marks: 5 (Budgeted Time 10 Min)**

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)

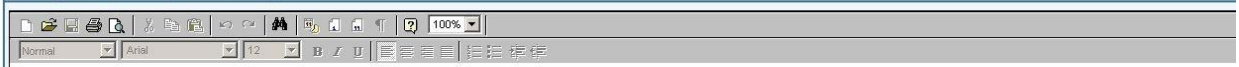


Made By: Waqar Siddhu

Question No : 26 of 26 **Marks: 5 (Budgeted Time 10 Min)**

Suppose there are two networks A and B both using virtual private network. If a user of some another network other than the network B wants to send some packets to a device in network A, then what will be the behavior of network A? Give three reasons behind its behavior.

Answer (Please click here to Add Answer)



Made By: Waqar Siddhu