Question No : 1 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 — correct
- Satellite/Radio and Star
- Ring and star
- Satellite/Radio

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Question No : 2 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

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

The Ethernet standard specifies that frames are sent using the --------

Answer (Please select your correct option)

- Manchester Encoding — correct
- Nonreturn to zero(NRZ)
- Return to zero(RZ)
- Differential Manchester

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

A ---------- 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
- Burned MAC

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Question No : 5 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

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

Formally named _____ informally known as the thick wire Ethernet or Thick net.

Answer (Please select your correct option)

- 10 Base 2
- 10 Base 5
- 10 Base T — correct
- 100 Base T

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Question No : 7 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
- Connection-oriented service paradigm

correct

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

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

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

Answer (Please select your correct option)

- Ring

correct

- Mesh
- Bus
- Star

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Question No : 9 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

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Question No : 10 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
- 32

correct

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

A bridge uses the _____ to determine which computers connect to which segment and uses the _____ to determine whether to forward a copy of frame.

Answer (Please select your correct option)

- Source address, Destination address

correct

- Destination address, Source address
- Destination address, MAC Address
- Destination address, Destination address

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

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

correct

- Filter and Forward a packet

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

If bridge cannot find _____in its tables then forwards frames to the other segment.

Answer (Please select your correct option)

- IP address
- Destination address

correct

- Source address
- Port address

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

_____ technology can support both LAN and WAN connections.

Answer (Please select your correct option)

- Frame relay
- Ethernet
- SMDS
- ATM

correct

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Question No : 15 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

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

_____ is used for ordinary data.

Answer (Please select your correct option)

- Available Bit Rate (ABR) service — correct
- Uniform Bit Rate (UBR) service
- Constant Bit Rate (CBR) service
- Variable Bit Rate (VBR) service

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Question No : 17 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
- Connection oriented service paradigm
- Both Connectionless and Connection-oriented service paradigm
- Stateless Connection oriented service paradigm

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

The term_____ refers to the general concept of a small block of data in a network.

Answer (Please select your correct option)

- Packet — correct
- Byte
- Cell
- Information

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Question No : 19 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

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Question No : 20 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

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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)

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

How many methods are available to span a bridge network over long distances? Just write their names.

Answer (Please click here to Add Answer)



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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)



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

Suppose XYZ Company has packet switch network of 50 computers. After some time of communication, network administrator observes that the packets in the packet switches are facing some delay just before these are transmitted over the link. Identify this delay and write down the mathematical equation of the relationship between delay and throughput.

Answer (Please click here to Add Answer)



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

While designing the ATM technology why the designers of the ATM have chosen cells over packets which are being used widely? Give five reasons to support your answer.

Answer (Please click here to Add Answer)



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

Suppose you are assigned to connect two site offices which are situated far away from each other. In your opinion, which one will be the appropriate solution for this, LAN extension or WAN? Justify your answer with four reasons.

Answer (Please click here to Add Answer)



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