

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

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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

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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

VRC

correct

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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

Unicastig

Anycasting

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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

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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

eot, complete

correct

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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

Government

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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

32

correct

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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

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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

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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

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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
- Layer 3 destination address

correct

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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

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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
- Transmission medium

correct

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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

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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

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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

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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

Shortest path

correct

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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

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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)

OC-3 speed (155Gbps)

correct

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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](#))

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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](#))

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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 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](#))

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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](#))

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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](#))

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