

VIRTUAL UNIVERSITY OF PAKISTAN

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CORRECT ANSWER SOLVED BY HADI
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

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WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



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Best of luck!



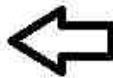
Question No : 1 of 26

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 Point-to-Point type of topologies there are two topologies _____.

Answer (Please select your correct option)

☐ Tree and Ring

☐ Star and Ring

☐ Star and Tree

☐ Bus and Mesh

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

In -----, network occupies larger areas like cities & countries.

Answer (Please select your correct option)

☐ LAN

☐ WAN

☐ MAN

☐ CAN

correct

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

Hardware that calculates a CRC uses two simple components

Answer (Please select your correct option)

- ☐ AND unit with XOR unit
- ☐ Shift register with XOR unit
- ☐ Shift register with AND unit
- ☐ Shift register with shift XOR unit

correct

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Question No : 5 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)

☐ Star Topology

☐ Ring Topology

☐ Bus Topology

☐ Tree Topology

correct

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

A ----- provides mechanism that a customer can use to set a physical address.

Answer (Please select your correct option)

- ☐ Static addressing scheme
- ☐ Configurable addressing scheme
- ☐ Dynamic addressing scheme
- ☐ Masking

correct

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Question No : 7 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

☐ 100 Base T

correct

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

Preamble field in Ethernet frame consist of _____ bits.

Answer (Please select your correct option)

☐ 8

☐ 32

correct

☐ 48

☐ 64

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Question No : 9 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

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Question No : 10 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

☐ Filter and Forward a packet

correct

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Question No : 11 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 : 12 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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_____ is used for compressed audio and video where the data rate is related to level of compression.

Answer (Please select your correct option)

☐ Constant Bit Rate (CBR) service

☒ Variable Bit Rate (VBR) service

☐ Available Bit Rate (ABR) service

☐ Uniform Bit Rate (UBR) service

correct

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Question No : 14 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 : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

_____ sends a message to a remote computer and reports whether the computer responds.

Answer (Please select your correct option)

☐ Telnet

☐ Ping
☐ Ping

correct

☐ Traceroute

☐ ICMP

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

A network with throughput T and delay D would have a total no of _____ bits in transit at any time.

Answer (Please select your correct option)

☐ $T + D$

☐ $T \times D / \text{Unit Time}$

☐ T / D

☐ $T \times D$

correct

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Question No : 17 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 : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

A network which is based on packets uses a computer which may have _____, memory and _____ for switching.

Answer (Please select your correct option)

☐ Administration Rights, Algorithm

☐ Source address, Destination address

☐ Interface, Program

☐ Input, Output

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

In direct point to point communication adding the N^{th} computer requires _____ new connections.

Answer (Please select your correct option)

☐ $N(N - 1)$

☐ N^2

☐ $N - 1$

☐ $(N^2 - N)/2$

correct

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Question No : 20 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

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

A local telephone company wants to connect the LANs in all its offices throughout a city. For this case which network category would be used?

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



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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

As you know ATM network specifies a 24 bits VPI/VCI connection identifier, how many bits VPI and VCI occupies individually?

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



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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](#))



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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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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](#))



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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](#))



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