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PAST PAPERS BY WAQAR SIDDHU

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VU Answer

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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)

VuAnswers.com

Packet Division Multiplexing

Time Division Multiplexing

Frequency Division Multiplexing

Wave Division Multiplexing

Made by: Waqar Siddhu

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)

VuAnswers.com

eot, complete

doubt

soh, complete

soh, incomplete

eot , incomplete

Made by: Waqar Siddhu

ATM was designed for _____ and use a _____

Answer (Please select your correct option)

VuAnswers.com

LANs, Connectionless service paradigm

WANs, Connectionless service paradigm

Both LANs and WANs, Connectionless service paradigm

Both LANs and WANs, Connection-oriented service paradigm



Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Internet Layer

Transport Layer

Made by: Waqar Siddhu

The interconnection of two or more networks, usually local area networks so that data can pass between hosts on the different networks as though they were one network, this requires some kind of _____, which led to the motivation for internetworking.

Answer (Please select your correct option)

VuAnswers.com

Router and Gateway

Router or software

Router or Gateway

Switch

Made by: Waqar Siddhu

In the _____ large organizations began to acquire multiple networks. Each network in the organization formed island. Employees needed to choose a computer appropriate for each task. So they needed multiple screens, keyboards and computers.

Answer (Please select your correct option)

VuAnswers.com

1990s

1970s

1960s

1950s

Made by: Waqar Siddhu

Which method of Address Resolution Protocol is useful with any hardware?

Were "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

Answer (Please select your correct option)

VuAnswers.com

T

C

D

C, D

Made by: Waqar Siddhu

In which method of Address Resolution Protocol address change affects all Hosts?

Were "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

Answer (Please select your correct option)

VuAnswers.com

T

C

D

T,C

Made by: Waqar Siddhu

We use the term _____ to refer to a measure of the path that routing software use when choosing a route.

Answer (Please select your correct option)

VuAnswers.com

routing path

routing metric

routing

switching

Made by: Waqar Siddhu

Incase of TCP retransmission, acknowledgement from a computer on a local area network are expected to arrive within few, _____.

Answer (Please select your correct option)

VuAnswers.com

seconds

idea

microseconds

milliseconds

nanoseconds

Made by: Waqar Siddhu

Part of the 3-way handshake used to create a connection, requires each end to generate a random ____ sequence number.

Answer (Please select your correct option)

VuAnswers.com

8-bit

64-bit

32-bit

16-bit

Made by: Waqar Siddhu

Which of the following protocol uses UDP for all message transmission?

Answer (Please select your correct option)

VuAnswers.com

RIP



OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

A OSPF area is -----

Answer (Please select your correct option)

Part of an Autonomous System ✓

Composed of at least two As's

Another term of an internet

A collection stub area

VuAnswers.com

Made by: Waqar Siddhu

Dotted decimal notation is a syntactic form the IP software uses to express ___ bit binary values when interacting with humans.

Answer (Please select your correct option)

16

24

32

64

VuAnswers.com

Made by: Waqar Siddhu

Typical internet routing uses a combination of two metrics _____:

Answer (Please select your correct option)

VuAnswers.com

administrative cost and routing metrics

administrative count and hop cost

administrative cost and hop count

routing metrics and hop count

:000 doubt

Made by: Waqar Siddhu

Hardware that calculates a CRC uses two simple components.

Answer (Please select your correct option)

VuAnswers.com

AND unit with XOR unit

Shift register with XOR unit

Shift register with AND unit

Shift register with shift XOR unit

Made by: Waqar Siddhu

A network uses a ----- to arranges computers to be connected in a single closed loop.

Answer (Please select your correct option)

Star Topology

Ring Topology

Bus Topology

Dual Ring Topology

VuAnswers.com

Made by: Waqar Siddhu

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



CSMA/CA

TOKEN PASSING

Round Robin

VuAnswers.com

Made by: Waqar Siddhu

A ----- relies on the hardware manufacturer to assign a unique physical address to each network interface.

Answer (Please select your correct option)

VuAnswers.com

Burned MAC

Static addressing scheme

Configurable addressing scheme

Dynamic addressing scheme

Made by: Waqar Siddhu

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

$T \times D$

VuAnswers.com

Made by: Waqar Siddhu

_____ is used for audio and video, since these have predefined maximum data rates

Answer (Please select your correct option)

VuAnswers.com

Constant Bit Rate (CBR) service

Variable Bit Rate (VBR) service

Available Bit Rate (ABR) service

Uniform Bit Rate (UBR) service

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Telnet

Ping
Ping

Traceroute

ICMP

Made by: Waqar Siddhu

_____ identifies the application program that sent the data.

Answer (Please select your correct option)

VuAnswers.com

Destination Port

Source port

Logical address

Physical Address

Made by: Waqar Siddhu

The process of using a routing table to select a next hop for a given datagram is called _____

Answer (Please select your correct option)

Encapsulation

Reassembling

Routing or forwarding

Fragmentation

VuAnswers.com

Made by: Waqar Siddhu

_____ measures distance in network hops, where each network between the source and destination counts as single hop.

Answer (Please select your correct option)

BGP

OSPF

RIP

EGP

VuAnswers.com

Made by: Waqar Siddhu

_____ uses distance vector approach to define routing

Answer (Please select your correct option)

VuAnswers.com

BGP

OSPF

RIP

EGP

Made by: Waqar Siddhu

_____ includes a 32-bits address mask with each address, which allows the address to be classful, classless, or subnetted.

Answer (Please select your correct option)

VuAnswers.com

IGP



RIP



OSPF



BGP



Made by: Waqar Siddhu

_____ is ideal in a situation where the group is geographically dispersed (i-e., has a few members at each site, with sites separated by long distances).

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

TCP/IP defines the term _____ to refer any computer system that connects to an internet and runs applications.

Answer (Please select your correct option)

Router

Host computer

Bridge

Hub

VuAnswers.com

Made by: Waqar Siddhu

An Internet Address (IP address) is a unique _____ binary number assigned to a host and used for all communication with other hosts.

Answer (Please select your correct option)

48-bit

32-bit

24-bit

12-bit

VuAnswers.com

Made by: Waqar Siddhu

Whenever IP software handles a packet, it needs to separate the destination address into a _____ and _____.

Answer (Please select your correct option)

suffix, prefix

postfix, Infix

Infix, prefix

prefix, suffix

VuAnswers.com

Made by: Waqar Siddhu

Mapping between a protocol address and a hardware address is called _____.

Answer (Please select your correct option)

ICMP

Address Resolution

Message Exchange

Hashing

VuAnswers.com

Made by: Waqar Siddhu

A datagram cannot be larger than _____ of a network over which it is sent.

Answer (Please select your correct option)

IP header

MTU

Size

Frame header

VuAnswers.com

Made by: Waqar Siddhu

_____ field of header indicates whether a datagram is a fragment or a complete datagram.

Answer (Please select your correct option)

FLAGS



SERVICE TYPE

IDENTIFICATION

FRAGMENT OFFSET

VuAnswers.com

Made by: Waqar Siddhu

_____ field tells the receiver how to order fragments within a given datagram.

Answer (Please select your correct option)

VuAnswers.com

FRAGMENT OFFSET

IDENTIFICATION

HEADER CHECKSUM

FLAGS

Made by: Waqar Siddhu

NEXT HEADER field in the base header defines type of header and it appears at end of _____ base header.

Answer (Please select your correct option)

Static

Variable size

dynamic

fixed-size

VuAnswers.com

Made by: Waqar Siddhu

_____ (Windows version) sends ICMP echo messages with increasing TTL.

Answer (Please select your correct option)

Ping

Tracert

cmd

routers

VuAnswers.com

Made by: Waqar Siddhu

Connectionless service, Message-Oriented protocol, best effort delivery service, arbitrary interaction and operating system independent are the characteristics of _____

Answer (Please select your correct option)

TCP

UDP

IP

ICMP

VuAnswers.com

Made by: Waqar Siddhu

_____ provide computer-to-computer communication also called machine-to- machine communication.

Answer (Please select your correct option)

VuAnswers.com

IP

Transport Protocols

RIP

UDP

Made by: Waqar Siddhu

_____ message is encapsulated in an _____ datagram and sent across the Internet.

Answer (Please select your correct option)

IP, TCP

TCP, IP

TCP, UDP

UDP, TCP

VuAnswers.com

Made by: Waqar Siddhu

An interface for twisted pair Ethernet must have an _____ connector , and must generate signals according to the _____ specification.

Answer (Please select your correct option)

VuAnswers.com

RJ-45, 10 Base T



RJ-45, 10 Base 5

BNC, 10 Base 2

BNC, 10 Base T

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Greedy Algorithm

Distance vector Algorithm

Dijkstra's algorithm

Binary Search Algorithm

Made by: Waqar Siddhu

Base header is fixed size i.e. ___ octets.

Answer (Please select your correct option)

VuAnswers.com

32

64

40

16

Made by: Waqar Siddhu

IP datagram format is same as a hardware frame format. Can network engineer change the size of header in IP datagram? What is the size of IP datagram header?

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

VuAnswers.com



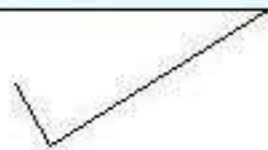
Made by: Waqar Siddhu

A bridge function in the _____ layer(s).

Answer (Please select your correct option)

VuAnswers.com

Physical (MAC)



Data link

Network

Physical (MAC) and Data link

Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Internet Layer

Transport Layer

Made by: Waqar Siddhu

_____ places the boundary between the second and third octets

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

Base header is fixed size i.e. __ octets.

Answer (Please select your correct option)

VuAnswers.com

32

64

40

16

Made by: Waqar Siddhu

Router that decrements TTL to __ sends ICMP time exceeded message, with router's address as source address

Answer (Please select your correct option)

VuAnswers.com

3

2

1

0

Made by: Waqar Siddhu

In the _____ large organizations began to acquire multiple networks. Each network in the organization formed island. Employees needed to choose a computer appropriate for each task. So they needed multiple screens, keyboards and computers.

Answer (Please select your correct option)

VuAnswers.com

1990s

1970s

1960s

1950s

Made by: Waqar Siddhu

In which method of Address Resolution Protocol the protocol address independent of hardware address?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

Answer (Please select your correct option)

VuAnswers.com

T,C

C

D

C

C

C

T,D

C



Made by: Waqar Siddhu

In which method of Address Resolution Protocol the hardware address must be smaller than protocol address?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

Answer (Please select your correct option)

VuAnswers.com

D

C

C

C

T,D

C

C,D

C

Made by: Waqar Siddhu

The computation to examine the i^{th} entry in the table can be expressed as:

Answer (Please select your correct option)

VuAnswers.com

if $((\text{Mask}[i] \& D) \neq \text{Dest}[i])$ forward to NextHop[i]

if $((\text{Mask}[i] \& D) == \text{Dest}[i])$ forward to NextHop[i]

if $((\text{Mask}[i] \& D) >= \text{Dest}[i])$ forward to NextHop[i]

if $((\text{Mask}[i] \& D) <= \text{Dest}[i])$ forward to NextHop[i]

Made by: Waqar Siddhu

The IP multicast abstraction allows an application running on an arbitrary computer to leave a multicast group at any time. While _____ application on a computer remain a member of a group.

Answer (Please select your correct option)

VuAnswers.com

one or more

C

only one

C

no

C

many

C

Made by: Waqar Siddhu

Reliability is the responsibility of the _____ layer

Answer (Please select your correct option)

VuAnswers.com

Network

Datalink

Transport

Application

Made by: Waqar Siddhu

Incase of TCP retransmission, acknowledgement from a computer on a local area network are expected to arrive within few, _____.

Answer (Please select your correct option)

VuAnswers.com

seconds

C

microseconds

C

milliseconds

C

nanoseconds

C

Made by: Waqar Siddhu

Part of the 3-way handshake used to create a connection, requires each end to generate a random ____ sequence number.

Answer (Please select your correct option)

VuAnswers.com

8-bit

64-bit

32-bit

16-bit

Made by: Waqar Siddhu

Which of the following protocol uses UDP for all message transmission?

Answer (Please select your correct option)

VuAnswers.com

RIP



OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

One of the design goals for unicast route propagation is _____.

Answer (Please select your correct option)

VuAnswers.com

consistency

inconsistency

stability

dynamic addressing

Made by: Waqar Siddhu

Find the class of the address:

11110011 10011011 11111011 00001111

Answer (Please select your correct option)

VuAnswers.com

A

C

E

B

Made by: Waqar Siddhu

In broadcast topology there are two categories ____.

Answer (Please select your correct option)

VuAnswers.com

Satellite/Radio and Ring



Satellite/Radio and Star

Ring and star

Satellite/Radio

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

CRC

Parity

Checksums

VRC

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Star Topology

C

Ring Topology

C

Bus Topology

C

Mesh Topology

C

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Static addressing scheme

Configurable addressing scheme

Dynamic addressing scheme

Masking

Made by: Waqar Siddhu

IEEE LLC/SNAP header is -----, which is used to specify the type of data.

Answer (Please select your correct option)

VuAnswers.com

8 octets



8 bytes

8 bits

16 bits

Made by: Waqar Siddhu

The product of delay and throughput measures the _____ of data that can be presented on the network.

Answer (Please select your correct option)

VuAnswers.com

Area

Volume

Length

Size

Made by: Waqar Siddhu

----- has no way to determine the cause of the problem.

Answer (Please select your correct option)

VuAnswers.com

ICMP

ARP

Ping

Trace route

Made by: Waqar Siddhu

The routers within an autonomous system use a _____ to exchange routing information.

Answer (Please select your correct option)

VuAnswers.com

Interior Gateway protocols(IGPs)

Exterior Gateway protocol (EGPs)

Both Interior Gateway protocols(IGPs) and Exterior Gateway protocol (EGPs)

Border Gateway Protocol (BGP)

None of the given

Made by: Waqar Siddhu

_____ measures distance in network hops, where each network between the source and destination counts as single hop.

Answer (Please select your correct option)

VuAnswers.com

BGP

C

OSPF

C

RIP

C

EGP

C

Made by: Waqar Siddhu

A standard protocol exists that allows a host to inform a nearby router whenever the host needs to join or leave a particular multicast group is known as _____.

Answer (Please select your correct option)

VuAnswers.com

IGMP



OSPF

BGP

UDP

Made by: Waqar Siddhu



_____ includes a 32-bits address mask with each address, which allows the address to be classful, classless, or subnetted.

Answer (Please select your correct option)

VuAnswers.com

IGP

RIP

OSPF



BGP

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

21-bit

22-bit

23-bit

24-bit



Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Star Topology

Ring Topology

Bus Topology

Tree Topology

Made by: Waqar Siddhu

The Fast Ethernet hardware operates at a rate of -----

Answer (Please select your correct option)

VuAnswers.com

10 Mbps

100 Mbps

1000 Mbps

1 Gbps

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Star Topology



Ring Topology

Bus Topology

Mesh Topology

Made by: Waqar Siddhu

A ----- relies on the hardware manufacturer to assign a unique physical address to each network interface.

Answer (Please select your correct option)

VuAnswers.com

Burned MAC

Static addressing scheme

Configurable addressing scheme

Dynamic addressing scheme

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

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

Made by: Waqar Siddhu

Which of the following is exterior routing protocol?

Answer (Please select your correct option)

VuAnswers.com

RIP and OSPF

RIP

OSPF

BGP



Made by: Waqar Siddhu



_____ uses distance vector approach to define routing

Answer (Please select your correct option)

VuAnswers.com

BGP



OSPF



RIP



EGP



Made by: Waqar Siddhu

_____ is ideal in a situation where the group is small and all members are attached to contiguous Local Area Networks.

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is geographically dispersed (i-e., has a few members at each site, with sites separated by long distances).

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

_____ message is encapsulated in an _____ datagram and sent across the Internet.

Answer (Please select your correct option)

VuAnswers.com

IP, TCP

TCP, IP

TCP, UDP

UDP, TCP

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Ring

Mesh

Bus

Star

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Square root, Cube root

Double, Triple

Triple, Quad

Double, Quad

Made by: Waqar Siddhu

Due to advancement in IT world as the Internet grew, the original _____ scheme became a limitation.

Answer (Please select your correct option)

VuAnswers.com

Subnet addressing

Classful addressing

Address mask

Classless addressing

Made by: Waqar Siddhu

Inside a computer, each classful address mask is stored as a _____ value.

Answer (Please select your correct option)

VuAnswers.com

16-bit

48-bit

32-bit

8-bit

Made by: Waqar Siddhu

For loopback testing prefix value will be _____ in address.

Answer (Please select your correct option)

VuAnswers.com

127

128

131

192

Made by: Waqar Siddhu

In which method of Address Resolution Protocol the implementation is more difficult?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange

Answer (Please select your correct option)

VuAnswers.com

T, C

T

C

D

Made by: Waqar Siddhu

_____ provides application-to-application communication, also called end-to-end communication.

Answer (Please select your correct option)

VuAnswers.com

IP

Transport Protocol

RIP

ARP

Made by: Waqar Siddhu

_____ provides computer-to-computer communication also, called machine-to-machine communication.

Answer (Please select your correct option)

VuAnswers.com

UDP

Transport Protocols

RIP

IP

Made by: Waqar Siddhu

_____ does not need to pre-establish communication and also there is no need to terminate communication.

Answer (Please select your correct option)

VuAnswers.com

ICMP

UDP

TCP

IP

Made by: Waqar Siddhu

A popular use of _____ is TCP Splicing.

Answer (Please select your correct option)

VuAnswers.com

NAT

NATP

Twice NAT

CAT

Made by: Waqar Siddhu

Which of the following are interior routing protocols ?

Answer (Please select your correct option)

VuAnswers.com

RIP and BGP

OSPF and BGP

BGP and OSPF

RIP and OSPF



Made by: Waqar Siddhu

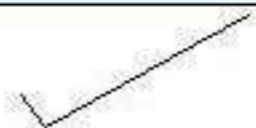


_____ use IP-in-IP encapsulation to send multicast datagrams from one site on the Internet to another.

Answer (Please select your correct option)

VuAnswers.com

Distance Vector Multicast Routing Protocol



Core Based Trees

Protocol Independent Multicast_ Sparse Mode

Protocol Independent Multicast_ Dense Mode

Made by: Waqar Siddhu

Which method of Address Resolution Protocol is useful with any hardware?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

T

C

D

C, D

Made by: Waqar Siddhu

In which method of Address Resolution Protocol, address change affects all hosts?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

T

C

D

T, C

Made by: Waqar Siddhu

Local Talk is a LAN technology that employs _____.

Answer (Please select your correct option)

VuAnswers.com

Bus topology

Ring topology

Mesh topology

Star topology

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

10 Base 2

10 Base 5

10 Base T

100 Base T

Made by: Waqar Siddhu

_____ places the boundary between third and fourth octets.

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

Find the class of the address:

11110011.10011011.11111011.00001111

Answer (Please select your correct option)

VuAnswers.com

A

C

E

B

Made by: Waqar Siddhu

Virtual packets serve same purpose on _____ as frames on _____

Answer (Please select your correct option)

VuAnswers.com

Intranet, LAN

Internet, WAN

Intranet, WAN

Internet, LAN

Made by: Waqar Siddhu

Address mask defines how many bits of address are in _____.

Answer (Please select your correct option)

VuAnswers.com

Suffix

Frame

Prefix

Packet

Made by: Waqar Siddhu

In the _____ large organizations began to acquire multiple networks.

Answer (Please select your correct option)

VuAnswers.com

1990s

1970s

1960s

1950s

Made by: Waqar Siddhu

A _____ is a special-purpose device dedicated to the task of interconnecting networks.

Answer (Please select your correct option)

VuAnswers.com

Router



Hub

Switch

Repeater

Made by: Waqar Siddhu

Base header of IPv6 is fixed size and consists of _____ octets.

Answer (Please select your correct option)

VuAnswers.com

32

64

40

16

Made by: Waqar Siddhu

NEXT HEADER field in the base header defines type of header and it appears at the end of _____ base header.

Answer (Please select your correct option)

VuAnswers.com

Fixed-size

Static

Variable size

Dynamic

Made by: Waqar Siddhu

Both UDP and TCP are _____ layer protocols

Answer (Please select your correct option)

VuAnswers.com

Physical

Data link

Network

Transport

Made by: Waqar Siddhu

_____ is called an end-to-end protocol because it provide a connection directly from an application on one computer to an application on a remote computer.

Answer (Please select your correct option)

VuAnswers.com

UDP

TCP

ICMP

IP

Made by: Waqar Siddhu

OSPF is based on _____

Answer (Please select your correct option)

VuAnswers.com

Distance vector routing

Link state routing

Path vector routing

Distance vector routing and Link state routing

Made by: Waqar Siddhu

_____ includes 32-bits address mask with each address to make the address class full, classless or sub netted.

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

IGP

Made by: Waqar Siddhu

In TCP when a computer sends a segment, the _____ and _____ fields refer to incoming data.

Answer (Please select your correct option)

VuAnswers.com

- Acknowledgement number, Window
- Sequence number, Window
- Acknowledgement number, Sequence number
- Source address, Sequence number

Made by: Waqar Siddhu

ATM was designed for _____ and use a _____

Answer (Please select your correct option)

VuAnswers.com

LANs, Connectionless service paradigm

WANs, Connectionless service paradigm

Both LANs and WANs, Connectionless service paradigm

Both LANs and WANs, Connection-oriented service paradigm

Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Internet Layer

Transport Layer

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

CRC

Parity

Checksums

VRC

Made by: Waqar Siddhu

A ----- relies on the hardware manufacturer to assign a unique physical address to each network interface.

Answer (Please select your correct option)

VuAnswers.com

Static addressing scheme ✓

Configurable addressing scheme

Dynamic addressing scheme

Burned MAC

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Static addressing scheme

Configurable addressing scheme ✓

Dynamic addressing scheme

Masking

Made by: Waqar Siddhu

_____ identifies which application program on receiving computer should receive the data

Answer (Please select your correct option)

VuAnswers.com

Logical address

Source port

Logical address

Source port

Destination Port

Physical Address

Made by: Waqar Siddhu

_____ identifies the application program that sent the data.

Answer (Please select your correct option)

VuAnswers.com

Destination Port

Source port

Logical address

Physical Address

Made by: Waqar Siddhu

The Border Gateway Protocol (BGP) uses _____ for all communication

Answer (Please select your correct option)

VuAnswers.com

TCP

Both UDP and TCP

TCP/IP

UDP

Made by: Waqar Siddhu

Which of the following is exterior routing protocol?

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is geographically dispersed (i-e., has a few members at each site, with sites separated by long distances).

Answer (Please select your correct option)

VuAnswers.com

Forwarding

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Made by: Waqar Siddhu

_____ message is encapsulated in an _____ datagram and sent across the Internet.

Answer (Please select your correct option)

VuAnswers.com

IP, TCP

TCP, IP

TCP, UDP

UDP, TCP

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

8

10

16

doubt

32

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Repeater



Bridge

Hub

Transceiver

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Square root, Cube root

Double, Triple

Triple, Quad

Double, Quad

Made by: Waqar Siddhu

If router detects datagram _____ than network MTU then it splits the datagram into pieces and each piece should be _____ than outbound network MTU.

Answer (Please select your correct option)

VuAnswers.com

Larger, smaller

Smaller, larger

Larger, larger

Smaller, smaller

Made by: Waqar Siddhu

In IPv6 the type of address used for collection of computers with same prefix is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Cluster

Unicast

Multicast

Anycast

Made by: Waqar Siddhu

_____ provides application-to-application communication, also called end-to-end communication.

Answer (Please select your correct option)

VuAnswers.com

IP

Transport Protocol

RIP

ARP

Made by: Waqar Siddhu

Which of the following are interior routing protocols ?

Answer (Please select your correct option)

VuAnswers.com

RIP and BGP

OSPF and BGP

BGP and OSPF

RIP and OSPF

Made by: Waqar Siddhu

_____ use IP-in-IP encapsulation to send multicast datagrams from one site on the Internet to another.

Answer (Please select your correct option)

VuAnswers.com

Distance Vector Multicast Routing Protocol

Core Based Trees

Protocol Independent Multicast _ Sparse Mode

Protocol Independent Multicast _ Dense Mode

Made by: Waqar Siddhu

A multicast routing scheme in which the protocol software builds a delivery tree from a central point is called _____.

Answer (Please select your correct option)

VuAnswers.com

Protocol Independent Multicast_ Sparse Mode

Protocol Independent Multicast _ Dense Mode

Distance Vector Multicast Routing Protocol

Core Based Trees

Made by: Waqar Siddhu

Network part of IP address needs not to be stored in _____ approach of ARP.

Answer (Please select your correct option)

VuAnswers.com

Table look-up

Direct indexing

Closed-form computation

Message Exchange

Made by: Waqar Siddhu

In which method of Address Resolution Protocol, address change affects all hosts?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

T

C

D

T, C

Made by: Waqar Siddhu

In which method of Address Resolution Protocol the protocol address is independent of hardware address?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange

Answer (Please select your correct option)

VuAnswers.com

T, C

D

C

T, D

Made by: Waqar Siddhu

_____ has no way to determine the cause of the problem.

Answer (Please select your correct option)

VuAnswers.com

ICMP

ARP

Ping

Traceroute

Made by: Waqar Siddhu

Most LANs that employ ring topology use an access mechanism known as _____.

Answer (Please select your correct option)

VuAnswers.com

CSMA/CD

CSMA/CA

Token Passing

Aloha

Made by: Waqar Siddhu

The product of delay and throughput measures the _____ of data that can be presented on the network.

Answer (Please select your correct option)

VuAnswers.com

Area

Volume

Length

Size

Made by: Waqar Siddhu

_____ places the boundary between the second and third octets.

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

An Internet Address (IPv4 address) is a unique _____ binary number assigned to a host and used for all communication with other hosts.

Answer (Please select your correct option)

VuAnswers.com

48-bit

32-bit

24-bit

12-bit

Made by: Waqar Siddhu

11000001.10000011.00011011.11111111

The above address is of class _____.

Answer (Please select your correct option)

VuAnswers.com

C

D

A

E

Made by: Waqar Siddhu

Find the class of the address.

10100111.11011011.10001011.01101111

Answer (Please select your correct option)

VuAnswers.com

A

B

E

C

Made by: Waqar Siddhu

Address mask defines how many bits of address are in _____.

Answer (Please select your correct option)

VuAnswers.com

Suffix

Frame

Prefix

Packet

Made by: Waqar Siddhu

In the _____ large organizations began to acquire multiple networks.

Answer (Please select your correct option)

VuAnswers.com

1990s

1970s

1960s

1950s

Made by: Waqar Siddhu

TCP/IP defines the term _____ to refer any computer system that connects to internet and gets services.

Answer (Please select your correct option)

VuAnswers.com

Router

Host Computer

Bridge

Hub

Made by: Waqar Siddhu

IPng stands for _____.

Answer (Please select your correct option)

VuAnswers.com

IP New Generation

IP Nth Generation

IP Next Generation

IP Net Generation

Made by: Waqar Siddhu

Router that decrements TTL to _____ and sends ICMP time exceeded message with router's address as source address.

Answer (Please select your correct option)

VuAnswers.com

3



2



1



0



Made by: Waqar Siddhu

Both UDP and TCP are _____ layer protocols

Answer (Please select your correct option)

VuAnswers.com

Physical

Data link

Network

Transport

Made by: Waqar Siddhu

Reliability is the responsibility of the _____ layer

Answer (Please select your correct option)

VuAnswers.com

Network

Data link

Transport

Application

Made by: Waqar Siddhu

_____ is called an end-to-end protocol because it provide a connection directly from an application on one computer to an application on a remote computer.

Answer (Please select your correct option)

VuAnswers.com

UDP

TCP

ICMP

IP

Made by: Waqar Siddhu

OSPF is based on _____

Answer (Please select your correct option)

VuAnswers.com

Distance vector routing

Link state routing

Path vector routing

Distance vector routing and Link state routing

Made by: Waqar Siddhu

A OSPF area is _____.

Answer (Please select your correct option)

VuAnswers.com

- A collection stub area
- A part of an Autonomous System
- Composed of at least two Autonomous Systems
- A complete Autonomous System

Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Internet Layer

Transport Layer

Made by: Waqar Siddhu

In broadcast topology there are two categories _____.

Answer (Please select your correct option)

VuAnswers.com

Satellite/Radio and Ring

Satellite/Radio and Star

Ring and star

Satellite/Radio

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

LAN

WAN

MAN

PAN

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Static addressing scheme

Configurable addressing scheme

Dynamic addressing scheme

Dynamic Host Configuration

Made by: Waqar Siddhu



_____ uses distance vector approach to define routing

Answer (Please select your correct option)

VuAnswers.com

BGP

OSPF

RIP

EGP

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is small and all members are attached to contiguous Local Area Networks.

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is geographically dispersed (i-e., has a few members at each site, with sites separated by long distances).

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

A datagram cannot be larger than _____ of a network over which it is sent.

Answer (Please select your correct option)

VuAnswers.com

IP header

MTU

doubt

Size

Frame header

Made by: Waqar Siddhu

_____ message is encapsulated in an _____ datagram and sent across the Internet.

Answer (Please select your correct option)

VuAnswers.com

IP, TCP

TCP, IP

TCP, UDP

UDP, TCP

Made by: Waqar Siddhu

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)

VuAnswers.com

soh, complete

soh, incomplete

eot, incomplete

eot, complete

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

ARPA



IEEE

ELA

Government

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

8



10



16



32



Made by: Waqar Siddhu

A bridge functions in the _____ layer(s).

Answer (Please select your correct option)

VuAnswers.com

Physical

Data link

Network and Data link

Physical and Data link

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

IP address

Destination address

Source address

Port address

Made by: Waqar Siddhu

In network address suffix values will be _____.

Answer (Please select your correct option)

VuAnswers.com

Half 1s

All 1s

Half 0s

All 0s

Made by: Waqar Siddhu

In which method of Address Resolution Protocol the implementation is more difficult?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange

Answer (Please select your correct option)

VuAnswers.com

T, C

T

C

D

Made by: Waqar Siddhu

Connectionless service and arbitrary interaction are the characteristics of _____

Answer (Please select your correct option)

VuAnswers.com

TCP

UDP

IP

ICMP

Made by: Waqar Siddhu

_____ provides application-to-application communication, also called end-to-end communication.

Answer (Please select your correct option)

VuAnswers.com

IP

Transport Protocol

RIP

ARP

Made by: Waqar Siddhu

We use the term _____ refers to measure the path that routing software uses at the time of selecting optimal route.

Answer (Please select your correct option)

VuAnswers.com

Routing metrics

Routing path

Routing

Switching

Made by: Waqar Siddhu

Typical internet routing uses a combination of two metrics _____.

Answer (Please select your correct option)

VuAnswers.com

Administrative cost and routing metrics

Routing metrics and hop count

Administrative count and hop cost

Administrative cost and hop count

Made by: Waqar Siddhu

_____ use IP-in-IP encapsulation to send multicast datagrams from one site on the Internet to another.

Answer (Please select your correct option)

VuAnswers.com

Distance Vector Multicast Routing Protocol

Core Based Trees

Protocol Independent Multicast _ Sparse Mode

Protocol Independent Multicast _ Dense Mode

Made by: Waqar Siddhu

ATM is designed to work on _____.

Answer (Please select your correct option)

VuAnswers.com

Twisted Pair

Coaxial

Radio Frequency

Fiber



Made by: Waqar Siddhu

In which method of Address Resolution Protocol the protocol address is independent of hardware address?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange

Answer (Please select your correct option)

VuAnswers.com

T, C

D

C

T, D



Made by: Waqar Siddhu

Most LANs that employ ring topology use an access mechanism known as _____.

Answer (Please select your correct option)

VuAnswers.com

CSMA/CD

CSMA/CA

Token Passing

Aloha

Made by: Waqar Siddhu

_____ places the boundary between the first and second octets.

Answer (Please select your correct option)

VuAnswers.com

Class A



Class B

Class C

Class D

Made by: Waqar Siddhu

_____ places the boundary between third and fourth octets.

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

_____interconnects two independent TCP connections and performs segment rewriting.

Answer (Please select your correct option)

VuAnswers.com

Twice NAT

CAT

TCP Splicing

NAT

Made by: Waqar Siddhu

Whenever IP software handles a packet, it needs to separate the destination address into a _____ and _____.

Answer (Please select your correct option)

VuAnswers.com

Infix, suffix

Postfix, Infix

Infix, prefix

Prefix, suffix

Made by: Waqar Siddhu

Virtual packets serve same purpose on _____ as frames on _____

Answer (Please select your correct option)

VuAnswers.com

Intranet, LAN

Internet, WAN

Intranet, WAN

Internet, LAN

Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify the format of packets sent across internet through one or more routers to a final destination.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Data link Layer

Internet Layer

Transport Layer

Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify how to organize data into frames and how a computer transmits frames over a network.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Data link Layer

Transport Layer

Made by: Waqar Siddhu

A _____ is a special-purpose device dedicated to the task of interconnecting networks.

Answer (Please select your correct option)

VuAnswers.com

Router



Hub

Switch

Repeater

Made by: Waqar Siddhu

IPng stands for _____.

Answer (Please select your correct option)

VuAnswers.com

IP New Generation

IP Nth Generation

IP Next Generation

IP Net Generation

Made by: Waqar Siddhu

Router that decrements TTL to _____ and sends ICMP time exceeded message with router's address as source address.

Answer (Please select your correct option)

VuAnswers.com

1



0



3



2



Made by: Waqar Siddhu

ICMP is used by _____ to communicate the network-level information.

Answer (Please select your correct option)

VuAnswers.com

Hub



Router



Repeater



Amplifier



Made by: Waqar Siddhu

Reliability is the responsibility of the _____ layer

Answer (Please select your correct option)

VuAnswers.com

Network

Data link

Transport

Application

Made by: Waqar Siddhu

_____ includes 32-bits address mask with each address to make the address class full, classless or sub netted.

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

IGP

Made by: Waqar Siddhu

The process of using a routing table to select a next hop for a given datagram is called _____

Answer (Please select your correct option)

VuAnswers.com

Routing or forwarding



Fragmentation

Switching

Reassembling

Made by: Waqar Siddhu

Which of the following protocols allow(s) the sender and receiver to enforce policies.

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

In TCP when a computer sends a segment, the _____ and _____ fields refer to incoming data.

Answer (Please select your correct option)

VuAnswers.com

Acknowledgement number, Window

Sequence number, Window

Acknowledgement number, Sequence number

Source address, Sequence number

Made by: Waqar Siddhu

_____ protocols of TCP/IP layering model specify how to ensure reliable transfer.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Internet Layer

Transport Layer

Made by: Waqar Siddhu

Which of the following protocols provide the routing information at the autonomous system level?

Answer (Please select your correct option)

VuAnswers.com

RIP



OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

21-bit

22-bit

23-bit

24-bit



Made by: Waqar Siddhu

The Gigabit Ethernet hardware operates at a rate of -----

Answer (Please select your correct option)

VuAnswers.com

10 Mbps

100 Mbps

1000 Mbps

10 Gbps

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Static addressing scheme

Configurable addressing scheme

Dynamic addressing scheme

Dynamic Host Configuration

Made by: Waqar Siddhu

_____ identifies which application program on receiving computer should receive the data

Answer (Please select your correct option)

VuAnswers.com

Logical address

Source port

Logical address

Source port

Destination Port

Physical Address

Made by: Waqar Siddhu

_____ identifies the application program that sent the data.

Answer (Please select your correct option)

VuAnswers.com

Destination Port

Source port

Logical address

Physical Address

Made by: Waqar Siddhu

_____ uses distance vector approach to define routing

Answer (Please select your correct option)

VuAnswers.com

BGP

OSPF

RIP

EGP

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is small and all members are attached to contiguous Local Area Networks.

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is geographically dispersed (i-e., has a few members at each site, with sites separated by long distances).

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

Which of the following is not a transmission medium?

Answer (Please select your correct option)

VuAnswers.com

Copper wire

Coaxial cable

Optical fiber

Optical waves



Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

8

10

16

doubt

32

Made by: Waqar Siddhu

Mostly preamble and _____ is often not shown in Ethernet frame.

Answer (Please select your correct option)

VuAnswers.com

Frame type

CRC

Destination address

Source address

Made by: Waqar Siddhu

Virtual Circuit connection identifier occupies _____ bits.

Answer (Please select your correct option)

VuAnswers.com

16

24

32

8

Made by: Waqar Siddhu

Header of cell takes _____ of network capacity.

Answer (Please select your correct option)

VuAnswers.com

5%



10%



12%



15%



Made by: Waqar Siddhu

_____ has a zero jitter.

Answer (Please select your correct option)

VuAnswers.com

Virtual Private Network

Isochronous Network

Asynchronous Network

← not sure

Synchronous Network

Made by: Waqar Siddhu

In network address suffix values will be _____.

Answer (Please select your correct option)

VuAnswers.com

Half 1s

All 1s

Half 0s

All 0s

Made by: Waqar Siddhu

Special type of address in IPv6 used for multiple destinations; possibly not at same site is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Unicast

Anycast

Multicast

Broadcast

Made by: Waqar Siddhu

In IPv6 the type of address used for collection of computers with same prefix is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Cluster

Unicast

Multicast

Anycast

Made by: Waqar Siddhu

Connectionless service and arbitrary interaction are the characteristics of _____

Answer (Please select your correct option)

VuAnswers.com

TCP

UDP

IP

ICMP

Made by: Waqar Siddhu

_____ provides computer-to-computer communication also, called machine-to-machine communication.

Answer (Please select your correct option)

VuAnswers.com

UDP

Transport Protocols

RIP

IP

Made by: Waqar Siddhu

_____ does not need to pre-establish communication and also there is no need to terminate communication.

Answer (Please select your correct option)

VuAnswers.com

ICMP

UDP

TCP

IP

Made by: Waqar Siddhu

Three-way handshake is used to create a connection and requires each end to generate a random _____ sequence number.

Answer (Please select your correct option)

VuAnswers.com

8-bit

64-bit

32-bit

16-bit

Made by: Waqar Siddhu

Typical internet routing uses a combination of two metrics _____:

Answer (Please select your correct option)

VuAnswers.com

Administrative cost and routing metrics

Routing metrics and hop count

Administrative count and hop cost

Administrative cost and hop count

Made by: Waqar Siddhu

The routers within an autonomous system use a _____ to exchange routing information.

Answer (Please select your correct option)

VuAnswers.com

Exterior Gateway protocol (EGPs)

Both Interior Gateway protocols (IGPs) and Exterior Gateway protocol (EGPs)

Border Gateway Protocol (BGP)

Interior Gateway protocols (IGPs)

Made by: Waqar Siddhu

_____ use IP-in-IP encapsulation to send multicast datagrams from one site on the Internet to another.

Answer (Please select your correct option)

VuAnswers.com

- Distance Vector Multicast Routing Protocol
- Core Based Trees
- Protocol Independent Multicast _ Sparse Mode
- Protocol Independent Multicast _ Dense Mode

Made by: Waqar Siddhu

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)

VuAnswers.com

Layer 2 source address

Layer 3 source address

Layer 2 destination address

Layer 3 destination address

Made by: Waqar Siddhu

Network part of IP address needs not to be stored in _____ approach of ARP.

Answer (Please select your correct option)

VuAnswers.com

Closed-form computation

Message Exchange

Table look-up

Direct indexing



doubt

Made by: Waqar Siddhu

Which method of Address Resolution Protocol is useful with any hardware?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

T

C

D

C, D

Made by: Waqar Siddhu

Which method of Address Resolution Protocol adds traffic to a network?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

C

T

D

D, C

Made by: Waqar Siddhu

_____ places the boundary between third and fourth octets.

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

An Internet Address (IPv4 address) is a unique _____ binary number assigned to a host and used for all communication with other hosts.

Answer (Please select your correct option)

VuAnswers.com

48-bit

32-bit

24-bit

12-bit

Made by: Waqar Siddhu

Whenever IP software handles a packet, it needs to separate the destination address into a _____ and _____.

Answer (Please select your correct option)

VuAnswers.com

Infix, suffix

Postfix, Infix

Infix, prefix

Prefix, suffix



Made by: Waqar Siddhu

Virtual packets serve same purpose on _____ as frames on _____

Answer (Please select your correct option)

VuAnswers.com

Intranet, LAN

Internet, WAN

Intranet, WAN

Internet, LAN

Made by: Waqar Siddhu

In the _____ large organizations began to acquire multiple networks.

Answer (Please select your correct option)

VuAnswers.com

1990s

1970s

1960s

1950s

Made by: Waqar Siddhu

A _____ is a special-purpose device dedicated to the task of interconnecting networks.

Answer (Please select your correct option)

VuAnswers.com

Router

Hub

Switch

Repeater

Made by: Waqar Siddhu

Base header of IPv6 is fixed size and consists of _____ octets.

Answer (Please select your correct option)

VuAnswers.com

32

64

40

16

Made by: Waqar Siddhu

IPV6 addresses are of _____:

Answer (Please select your correct option)

VuAnswers.com

128 bytes

32 bits

128 bits

64 bits

Made by: Waqar Siddhu

Reliability is the responsibility of the _____ layer

Answer (Please select your correct option)

VuAnswers.com

Network

Data link

Transport

Application

Made by: Waqar Siddhu

Which of the following protocols allow(s) the sender and receiver to enforce policies.

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

The Gigabit Ethernet hardware operates at a rate of -----

Answer (Please select your correct option)

VuAnswers.com

10 Mbps

100 Mbps

1000 Mbps

10 Gbps

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

10 Base 2

10 Base 5

10 Base T

100 Base T

Made by: Waqar Siddhu



_____ identifies the application program that sent the data.

Answer (Please select your correct option)

VuAnswers.com

Destination Port

Source port

Logical address

Physical Address

Made by: Waqar Siddhu



_____ uses distance vector approach to define routing

Answer (Please select your correct option)

VuAnswers.com

BGP

OSPF

RIP

EGP

Made by: Waqar Siddhu



_____ is ideal in a situation where the group is small and all members are attached to contiguous Local Area Networks.

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune



Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

By size there are.....classifications of networks.

Answer (Please select your correct option)

VuAnswers.com

2



3

4

5

Made by: Waqar Siddhu

Inside a computer, each classful address mask is stored as a _____ value.

Answer (Please select your correct option)

VuAnswers.com

16-bit

48-bit

32-bit

8-bit

Made by: Waqar Siddhu

Connectionless service and arbitrary interaction are the characteristics of _____

Answer (Please select your correct option)

VuAnswers.com

TCP

UDP

IP

ICMP

Made by: Waqar Siddhu



_____ provides computer-to-computer communication also, called machine-to-machine communication.

Answer (Please select your correct option)

VuAnswers.com

UDP

Transport Protocols

RIP

IP

Made by: Waqar Siddhu



_____ does not need to pre-establish communication and also there is no need to terminate communication.

Answer (Please select your correct option)

VuAnswers.com

ICMP

UDP

TCP

IP

Made by: Waqar Siddhu

The time for arrival of acknowledgement packet depends upon _____.

Answer (Please select your correct option)

VuAnswers.com

Distance to destination and current traffic conditions



Current traffic conditions

Distance to destination

Nature of the data

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Connectionless service paradigm

Connection oriented service paradigm

Both Connectionless and Connection-oriented service paradigm

Stateless Connection oriented service paradigm

Made by: Waqar Siddhu

Typical internet routing uses a combination of two metrics _____.

Answer (Please select your correct option)

VuAnswers.com

Administrative cost and routing metrics

Routing metrics and hop count

Administrative count and hop cost

Administrative cost and hop count

Made by: Waqar Siddhu

The routers within an autonomous system use a _____ to exchange routing information.

Answer (Please select your correct option)

VuAnswers.com

Exterior Gateway protocol (EGPs)

Both Interior Gateway protocols (IGPs) and Exterior Gateway protocol (EGPs)

Border Gateway Protocol (BGP)

Interior Gateway protocols (IGPs)

Made by: Waqar Siddhu

A multicast routing scheme in which the protocol software builds a delivery tree from a central point is called _____.

Answer (Please select your correct option)

VuAnswers.com

Protocol Independent Multicast _ Sparse Mode

Protocol Independent Multicast _ Dense Mode

Distance Vector Multicast Routing Protocol

Core Based Trees

Made by: Waqar Siddhu

Mapping between a protocol address and a hardware address is called _____.

Answer (Please select your correct option)

VuAnswers.com

ICMP

Address Resolution

Message Exchange

Hashing

Made by: Waqar Siddhu

Network part of IP address needs not to be stored in _____ approach of ARP.

Answer (Please select your correct option)

VuAnswers.com

Closed-form computation

Message Exchange

Table look-up

Direct indexing

doubt

Made by: Waqar Siddhu

In which method of Address Resolution Protocol the hardware address must be smaller than protocol address?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange

Answer (Please select your correct option)

VuAnswers.com

D

C

T, D

C, D

Made by: Waqar Siddhu

Which method of Address Resolution Protocol adds traffic to a network?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

C

T

D

D, C

Made by: Waqar Siddhu



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

Answer (Please select your correct option)

VuAnswers.com

Greedy Algorithm

Distance vector Algorithm

Dijkstra's algorithm

Binary Search Algorithm

Made by: Waqar Siddhu

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)

VuAnswers.com

$T + D$

$T \times D / \text{Unit Time}$

T / D

$T \times D$

Made by: Waqar Siddhu

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)

VuAnswers.com

CSMA/CD

CSMA/CA

Token Passing

Round Robin

Made by: Waqar Siddhu

FDDI can transmits data at a rate of _____.

Answer (Please select your correct option)

VuAnswers.com

100 million bits per second



10 million bits per second

1000 million bits per second

3 million bits per second

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Packet's destination

Packet's original source

Path the packet has taken

Routed Protocol

Made by: Waqar Siddhu

A system with redundant bridges might have a problem with _____ in the system.

Answer (Please select your correct option)

VuAnswers.com

Loop

Filters

Spanning Trees

Addressing

Made by: Waqar Siddhu

_____ places the boundary between the second and third octets.

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

An Internet Address (IPv4 address) is a unique _____ binary number assigned to a host and used for all communication with other hosts.

Answer (Please select your correct option)

VuAnswers.com

48-bit

32-bit

24-bit

12-bit

Made by: Waqar Siddhu

The address _____ identifies the physical network to which the computer is attached, while the _____ identifies an individual computer on that network.

Answer (Please select your correct option)

VuAnswers.com

Prefix , prefix

Suffix , prefix

Suffix, suffix

Prefix, suffix

Made by: Waqar Siddhu



_____ field of header indicates whether a datagram is a fragment or a complete datagram.

Answer (Please select your correct option)

VuAnswers.com

Flag

Service type

Identification

Fragment offset

Made by: Waqar Siddhu

Address mask defines how many bits of address are in _____.

Answer (Please select your correct option)

VuAnswers.com

Suffix

Frame

Prefix

Packet

Made by: Waqar Siddhu



_____ of TCP/IP layering model is closest to network hardware.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer



Network Interface Layer

Data link Layer

Transport Layer

Made by: Waqar Siddhu

IPV6 addresses are of _____.

Answer (Please select your correct option)

VuAnswers.com

128 bytes

32 bits

128 bits

64 bits

Made by: Waqar Siddhu

IPng stands for _____.

Answer (Please select your correct option)

VuAnswers.com

IP New Generation

IP Nth Generation

IP Next Generation

IP Net Generation

Made by: Waqar Siddhu

NEXT HEADER field in the base header defines type of header and it appears at the end of _____ base header.

Answer (Please select your correct option)

VuAnswers.com

Fixed-size

Static

Variable size

Dynamic

Made by: Waqar Siddhu

Both UDP and TCP are _____ layer protocols

Answer (Please select your correct option)

VuAnswers.com

Physical

Data link

Network

Transport



Made by: Waqar Siddhu

Reliability is the responsibility of the _____ layer

Answer (Please select your correct option)

VuAnswers.com

Network

Data link

Transport

Application

Made by: Waqar Siddhu

A one-to-many communication between a source and a specific group of hosts is classified as a _____ communication.

Answer (Please select your correct option)

VuAnswers.com

Unicast

Multicast

Broadcast

Unicast & Multicast

Made by: Waqar Siddhu

_____ includes 32-bits address mask with each address to make the address class full, classless or sub netted.

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

IGP

Made by: Waqar Siddhu

The process of using a routing table to select a next hop for a given datagram is called _____

Answer (Please select your correct option)

VuAnswers.com

Routing or forwarding



Fragmentation

Switching

Reassembling

Made by: Waqar Siddhu

Which of the following protocols use(s) UDP for the transmission of all type of message?

Answer (Please select your correct option)

VuAnswers.com

RIP



OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

CRC

Parity

Checksums

VRC

Made by: Waqar Siddhu

The original Ethernet hardware operated at a rate of -----

Answer (Please select your correct option)

VuAnswers.com

10 Mbps

1000 Mbps

3 Mbps

100 Mbps

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Static addressing scheme

Configurable addressing scheme

Dynamic addressing scheme

Dynamic Host Configuration

Made by: Waqar Siddhu

NICs contain analogue circuitry and _____ that allows the NIC to operate independent of the CPU.

Answer (Please select your correct option)

VuAnswers.com

DMA(Direct Memory Access)

Multiplexer

Transceiver

Microprocessor

Made by: Waqar Siddhu

_____ identifies which application program on receiving computer should receive the data

Answer (Please select your correct option)

VuAnswers.com

Logical address

Source port

Logical address

Source port

Destination Port

Physical Address

Made by: Waqar Siddhu

The Border Gateway Protocol (BGP) uses _____ for all communication

Answer (Please select your correct option)

VuAnswers.com

TCP

Both UDP and TCP

TCP/IP

UDP

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is small and all members are attached to contiguous Local Area Networks.

Answer (Please select your correct option)

VuAnswers.com

Flood-and -Prune

Configuration-and -Tunneling

Core-Based Discovery

Forwarding

Made by: Waqar Siddhu

_____ is ideal in a situation where the group is geographically dispersed (i-e., has a few members at each site, with sites separated by long distances).

Answer (Please select your correct option)

VuAnswers.com

Forwarding

Flood-and -Prune

Configuration-and -Tunneling ✓

Core-Based Discovery

Made by: Waqar Siddhu

_____ message is encapsulated in an _____ datagram and sent across the Internet.

Answer (Please select your correct option)

VuAnswers.com

IP, TCP

TCP, IP

TCP, UDP

UDP, TCP

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Square root, Cube root

Double, Triple

Triple, Quad

Double, Quad

Made by: Waqar Siddhu

Inside a computer, each classful address mask is stored as a _____ value.

Answer (Please select your correct option)

VuAnswers.com

16-bit

48-bit

32-bit

8-bit

Made by: Waqar Siddhu

In network address suffix values will be _____.

Answer (Please select your correct option)

VuAnswers.com

Half 1s

All 1s

Half 0s

All 0s

Made by: Waqar Siddhu

To _____ network traffic, ARP software extracts and saves the information from a response so that it can be used for subsequent packets.

Answer (Please select your correct option)

VuAnswers.com

Maintain

Increase

Reduce

Boost

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Constant Bit Rate (CBR) service

Variable Bit Rate (VBR) service

Available Bit Rate (ABR) service

Uniform Bit Rate (UBR) service

Made by: Waqar Siddhu

The special type of address in IPv6 used for single destination computer is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Anycast

Unicast

Multicast

Broadcast

Made by: Waqar Siddhu

In IPv6 the type of address used for collection of computers with same prefix is known as _____.

Answer (Please select your correct option)

VuAnswers.com

Cluster

Unicast

Multicast

Anycast

Made by: Waqar Siddhu

_____ does not need to pre-establish communication and also there is no need to terminate communication.

Answer (Please select your correct option)

VuAnswers.com

ICMP

UDP

TCP

IP

Made by: Waqar Siddhu

The time for arrival of acknowledgement packet depends upon _____.

Answer (Please select your correct option)

VuAnswers.com

Distance to destination and current traffic conditions

Current traffic conditions

Distance to destination

Nature of the data

Made by: Waqar Siddhu

A popular use of _____ is TCP Splicing.

Answer (Please select your correct option)

VuAnswers.com

NAT

NATP

Twice NAT

CAT

Made by: Waqar Siddhu

The routers within an autonomous system use a _____ to exchange routing information.

Answer (Please select your correct option)

VuAnswers.com

Exterior Gateway protocol (EGPs)

Both Interior Gateway protocols (IGPs) and Exterior Gateway protocol (EGPs)

Border Gateway Protocol (BGP)

Interior Gateway protocols (IGPs)

Made by: Waqar Siddhu

_____ use IP-in-IP encapsulation to send multicast datagrams from one site on the Internet to another.

Answer (Please select your correct option)

VuAnswers.com

Distance Vector Multicast Routing Protocol



Core Based Trees

Protocol Independent Multicast _ Sparse Mode

Protocol Independent Multicast _ Dense Mode

Made by: Waqar Siddhu

A multicast routing scheme in which the protocol software builds a delivery tree from a central point is called _____.

Answer (Please select your correct option)

VuAnswers.com

Protocol Independent Multicast _ Sparse Mode

Protocol Independent Multicast _ Dense Mode

Distance Vector Multicast Routing Protocol

Core Based Trees

Made by: Waqar Siddhu

Which method of Address Resolution Protocol is useful with any hardware?

Where "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange.

Answer (Please select your correct option)

VuAnswers.com

T

C

D

C, D

Made by: Waqar Siddhu

ARP is almost always used to bind a ___ bit IP address to a ___ bit Ethernet address.

Answer (Please select your correct option)

VuAnswers.com

32, 48

48, 32

32, 64

32, 128

Made by: Waqar Siddhu

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

Answer (Please select your correct option)

VuAnswers.com

Packet

Byte

Cell

Information

Made by: Waqar Siddhu

The number of connections needed for N computer in direct point to point communication is equal to _____.

Answer (Please select your correct option)

VuAnswers.com

$(N^2 - N)/2$



$N(N - 1)$

N^2

$N - 1$

Made by: Waqar Siddhu

Local Talk is a LAN technology that employs _____.

Answer (Please select your correct option)

VuAnswers.com

Bus topology



Ring topology

Mesh topology

Star topology

Made by: Waqar Siddhu

FDDI can transmits data at a rate of _____.

Answer (Please select your correct option)

VuAnswers.com

100 million bits per second



10 million bits per second

1000 million bits per second

3 million bits per second

Made by: Waqar Siddhu

_____ places the boundary between the second and third octets.

Answer (Please select your correct option)

VuAnswers.com

Class A

Class B

Class C

Class D

Made by: Waqar Siddhu

_____ field tells the receiver how to order fragments within a given datagram.

Answer (Please select your correct option)

VuAnswers.com

Fragment offset

Identification

Header checksum

Flags



Made by: Waqar Siddhu

_____ interconnects two independent TCP connections and performs segment rewriting.

Answer (Please select your correct option)

VuAnswers.com

Twice NAT

CAT

TCP Splicing

NAT

Made by: Waqar Siddhu

Find the class of the address.

10100111.11011011.10001011.01101111

Answer (Please select your correct option)

VuAnswers.com

A

B

E

C

Made by: Waqar Siddhu

Find the class of the address:

11110011.10011011.11111011.00001111

Answer (Please select your correct option)

VuAnswers.com

A

C

E

B

Made by: Waqar Siddhu

Whenever IP software handles a packet, it needs to separate the destination address into a _____ and _____.

Answer (Please select your correct option)

VuAnswers.com

Infix, suffix

Postfix, Infix

Infix, prefix

Prefix, suffix

Made by: Waqar Siddhu

_____ of TCP/IP layering model is closest to network hardware.

Answer (Please select your correct option)

VuAnswers.com

Physical Layer

Network Interface Layer

Data link Layer

Transport Layer

Made by: Waqar Siddhu

Base header of IPv6 is fixed size and consists of _____ octets.

Answer (Please select your correct option)

VuAnswers.com

32

64

40

16

Made by: Waqar Siddhu

_____ allows a host to inform a nearby router whenever the host needs to join or leave a particular multicast group.

Answer (Please select your correct option)

VuAnswers.com

IGMP

OSPF

BGP

UDP

Made by: Waqar Siddhu

The process of using a routing table to select a next hop for a given datagram is called _____.

Answer (Please select your correct option)

VuAnswers.com

Switching

Reassembling

Routing or forwarding

Fragmentation

Made by: Waqar Siddhu

Which of the following protocols allow(s) the sender and receiver to enforce policies.

Answer (Please select your correct option)

VuAnswers.com

RIP

OSPF

BGP

RIP and OSPF

Made by: Waqar Siddhu

In TCP when a computer sends a segment, the _____ and _____ fields refer to incoming data.

Answer (Please select your correct option)

VuAnswers.com

Acknowledgement number, Window

Sequence number, Window

Acknowledgement number, Sequence number

Source address, Sequence number

Made by: Waqar Siddhu

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