

# VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future  
CORRECT ANSWER SOLVED BY HADI  
EMAIL: hadirajputofficial@gmail.com  
WHATSAPP & CALL: 03087122922

## (Final Term Past Paper)

(Made by Waqar & Solved By Hadi)

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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**FACEBOOK ID: <https://www.facebook.com/hadipastpapers/>**

Best of luck!



Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Base header is fixed size i.e. \_\_ octets.

Answer ( Please select your correct option )

32

64

40

16

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

Greedy Algorithm

Distance vector Algorithm

Dijkstra's algorithm

Binary Search Algorithm

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Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

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 )



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Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

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RJ-45, 10 Base T

RJ-45, 10 Base 5

BNC, 10 Base 2

BNC, 10 Base T

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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

A bridges function in the \_\_\_\_\_ layers(s).

Answer ( Please select your correct option )

Physical (MAC)

Data link

Network

Physical (MAC) and Data link

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Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

Physical Layer

C

Network Interface Layer

C

Internet Layer

C

Transport Layer

C

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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ places the boundary between the second and third octets

Answer ( Please select your correct option )

VuAnswers.com

Class A

C

Class B

C

Class C

C

Class D

C

Correct answer solved by Hadi

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Base header is fixed size i.e. \_\_ octets.

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Answer ( Please select your correct option )

32

64

40

16

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Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

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3

2

1

0

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Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

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 )

1990s

1970s

1960s

1950s

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Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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

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Answer ( Please select your correct option )

T,C

C

D

C

C

C

T,D

C

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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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

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Answer ( Please select your correct option )

D

C

T,D

C,D

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**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

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

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

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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

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.

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Answer ( Please select your correct option )

one or more

only one

no

many

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Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Reliability is the responsibility of the \_\_\_\_\_ layer

Answer ( Please select your correct option )

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Network

Datalink

Transport

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Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

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 )

seconds

microseconds

milliseconds

nanoseconds

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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

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 )

8-bit

64-bit

32-bit

16-bit

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Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

RIP

OSPF

BGP

RIP and OSPF

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Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

One of the design goals for unicast route propagation is \_\_\_\_\_

Answer ( Please select your correct option )

consistency

C

inconsistency

C

stability

C

dynamic addressing

C

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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Find the class of the address:

11110011 10011011 11111011 00001111

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Answer ( Please select your correct option )

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A

C

C

C

E

C

B

C

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

In broadcast topology there are two categories \_\_\_\_.

Answer ( Please select your correct option )

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Satellite/Radio and Ring

C

Satellite/Radio and Star

C

Ring and star

C

Satellite/Radio

C

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Question No : 19 of 52

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

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Answer ( Please select your correct option )

CRC

Parity

Checksums

VRC

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

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Star Topology

Ring Topology

Bus Topology

Mesh Topology

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

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Static addressing scheme

C

Configurable addressing scheme

C

Dynamic addressing scheme

C

Masking

C

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

8 octets

8 bytes

8 bits

16 bits

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

Area

Volume

Length

Size

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

ICMP

C

ARP

C

Ping

C

Trace route

C

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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Answer ( Please select your correct option )

Interior Gateway protocols(IGPs)

C

Exterior Gateway protocol (EGPs)

C

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

C

Border Gateway Protocol (BGP)

C

None of the given

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

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

Answer ( Please select your correct option )

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BGP

OSPF

RIP

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EGP

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

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 )

IGMP

OSPF

BGP

UDP

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ 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 )

IGP

RIP

OSPF

BGP

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