

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.



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



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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

C

☐ 64

C

☒ 40

C

☐ 16

C

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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)

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Physical Layer

☐

Network Interface Layer

☐

Internet Layer

☐

Transport Layer

☒

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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

☐

Class B

☒

Class C

☐

Class D

☐

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?

Answer (Please select your correct option)

T,C

☐

D

☐

C

☐

T,D

☒



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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?

Answer (Please select your correct option)

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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)

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

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

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

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

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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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Application

☐

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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)

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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

☐ inconsistency

☒ stability

☐ dynamic addressing

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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

Answer (Please select your correct option)

A

☐

C

☐

E

☐

B

☐

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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

☒

Satellite/Radio and Star

☐

Ring and star

☐

Satellite/Radio

☐

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

----- 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

☐

Configurable addressing scheme

☒

Dynamic addressing scheme

☐

Masking

☐

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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

C

☐ 8 bytes

C

☐ 8 bits

C

☐ 16 bits

C

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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.

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)

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ICMP

☐

ARP

☐

Ping

☒

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Trace route

☐

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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)

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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

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_____ 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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_____ 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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