



Virtual University

About Us

CS610
Solved Final Term Paper 2

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Year
2017

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allāh, the Most Gracious, the Most Merciful

Paper Pattern

MCQS 40 each 1 mark
Short 4 each 2 marks
Short 4 each 3 marks
long 4 each 5 marks

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)		WWW.VirtualAcademyLive.com
<input type="radio"/>	32	
<input type="radio"/>	64	
<input checked="" type="radio"/>	40	
<input type="radio"/>	16	
		Made by: Waqar Siddhu
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.		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Greedy Algorithm	
<input type="radio"/>	Distance vector Algorithm	
<input checked="" type="radio"/>	Dijkstra's algorithm	
<input type="radio"/>	Binary Search Algorithm	
		Made by: Waqar Siddhu

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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Normal Arial 12 B I U

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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.

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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

☐

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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

A bridges function in the _____ layers(s).

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Answer (Please select your correct option)

VuAnswers.com

☒ Physical (MAC)

☐

☐ Data link

☐

☐ Network

☐

☐ Physical (MAC) and Data link

☐

Made by: Waqar Siddhu

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)

VuAnswers.com

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

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Answer (Please select your correct option)

VuAnswers.com

Class A

☐

Class B

☒

Class C

☐

Class D

☐

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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

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Answer (Please select your correct option)

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.

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Answer (Please select your correct option)

VuAnswers.com

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)

VuAnswers.com

T,C

☐

D

☐

C

☐

T,D

☒

Made by: Waqar Siddhu

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)

VuAnswers.com

D

☐

C

☒

T, D

☐

C, D

☐

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Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

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

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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

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)

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☐ 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

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Answer (Please select your correct option)

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☐ Network

☐ Datalink

☒ Transport

☐ 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, _____.

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Answer (Please select your correct option)

VuAnswers.com

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.

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Answer (Please select your correct option)

VuAnswers.com

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?

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Answer (Please select your correct option)

VuAnswers.com

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 _____.

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Answer (Please select your correct option)

VuAnswers.com

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

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Answer (Please select your correct option)

VuAnswers.com

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 _____.

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Answer (Please select your correct option)

VuAnswers.com

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)

VuAnswers.com

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

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Answer (Please select your correct option)

VuAnswers.com

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)

VuAnswers.com

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.

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Answer (Please select your correct option)

VuAnswers.com

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)

VuAnswers.com

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.

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Answer (Please select your correct option)

VuAnswers.com

ICMP

☐

ARP

☐

Ping

☒

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)

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

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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.

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Answer (Please select your correct option)

VuAnswers.com

BGP

☐

OSPF

☐

RIP

☒

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 _____.

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Answer (Please select your correct option)

VuAnswers.com

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.

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Answer (Please select your correct option)

VuAnswers.com

IGP

☐

RIP

☐

OSPF

☒

BGP

☐

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