Quiz03

Due Mar 22 at 11:59pm Points 25 **Questions** 25 Available until Mar 22 at 11:59pm Time Limit 360 Minutes

Allowed Attempts 2

Instructions

Contains questions from Chapter 4 and some portion of Chapter 5.

- 1. While dealing with multiple choice questions, please read all the alternatives before choosing one alternative. Go for the best alternative.
- 2. Please read the instructions carefully. If an instruction is asking you to enter the response in certain way, don't violate it in your best interest. Violating such instructions could entail unnecessarily deducted points.
- 3. Please do not violate the instructions. Manual grading of these supposedly auto graded assignments needs extra time and effort, apart from defeating the purpose.
- 4. Wherever you see the ^ symbol being used, please assume it to be indicating exponentiation that separates a base from its exponent and read it as 'raised to the power of'.

Take the Quiz Again

Attempt History

Atte		Time	Score
LATEST Atten	<u>npt 1</u>	16 minutes	23 out of 25

Score for this attempt: 23 out of 25

Submitted Mar 22 at 8:45pm This attempt took 16 minutes.

	Question 1	1 / 1 pts
	Packetizing at the network layer involves	
Correct!	All of the choices are correct	

 adding a header that contains the source and destination information 	
 decapsulating the payload at the destination 	
encapsulating the payload at the source	

The performance of a network can be measured in terms of _____ throughput delay packet loss all of the choices are correct

An HLEN value of decimal 10 means _____ there are 40 bytes in the header there are 10 bytes of options there are 10 bytes of options

	Question 4	1 / 1 pts
	What is needed to determine the number of the last byte of a fra	gment?
	offset number	
Correct!	both offset number and the total length	
	None of the choices are correct	
	o total length	

	Question 5	1 / 1 pts
	When a datagram is encapsulated in a frame, the total size of the datagram must be less than the	e
	○ MUT	
	○ MAT	
	None of the choices are correct	
Correct!	MTU	

Question 6

What is the default prefix length for class C in CIDR notation?

1/1 pts

	None of the choices are correct
	O 8
Correct!	24

	Question 7	1 / 1 pts
	In DHCP, the client uses port and the server uses port.	
	None of the choices are correct	
	a well-known; an ephemeral	
Correct!	a well-known; a well-known	
	an ephemeral; a well-known	

-	Question 8	1 / 1 pts
	ICMP is a (an) layer protocol.	
	application-layer protocol that helps TCP/IP at the network layer	
	transport-layer protocol that helps TCP/IP at the network layer	
Correct!	network-layer protocol.	
	data-link layer protocol that helps TCP/IP at the network layer	

Question 9	1 / 1 pts
In, each node maintains a vector (table) of minimum of to every node.	distances
○ link state	
path vector	
None of the choices are correct	
distance vector	
	In, each node maintains a vector (table) of minimum of to every node. In link state path vector None of the choices are correct

	Question 10	0 / 1 pts
	In RIP, the timer is used to purge invalid routes from t	he table.
	expiration	
orrect Answer	garbage collection	
	None of the choices are correct	
ou Answered	periodic	

Question 11	1 / 1 pts
The protocol allows the administrator to assign a cometric, to each route.	ost, called the

2/2020	Qui200. 10100 001 4000 202001
Correct!	BGP
	O RIP
	OSPF
	None of the choices are correct

	Question 12 1 / 1 pts
	is an interdomain routing protocol using path vector routing.
	○ RIP
Correct!	None of the choices are correct
	BGP
	OSPF

Question 13	1 / 1 pts
The Multicast Open Shortest Path First (MOSPF) protocol is ar of the OSPF protocol that uses multicast routing to create sour trees. The protocol is based on routing.	
o path vector	
 distance vector 	
None of the choices are correct	

Correct!

link state

	Question 14 1 / 1 pts
	is an implementation of multicast distance vector routing. It is a source-based routing protocol, based on RIP.
	None of the choices are correct
Correct!	DVMRP
	MOSPF
	○ CBT

	Question 15	0 / 1 pts
	PIM-SM is used when the number of routers with attached mem relative to the number of routers in the Internet.	bers is
ou Answered	• large	
orrect Answer	○ small	
	moderate	
	None of the choices are correct	

1 / 1 pts

Correct!

ctions, each	hexadecimal digits	in length.
8; 4		
8; 3		
8; 2		

Question 18 1/1 pts When two computers using IPv6 want to communicate but the packet must pass through an IPv4 region, which transition strategy should be used?

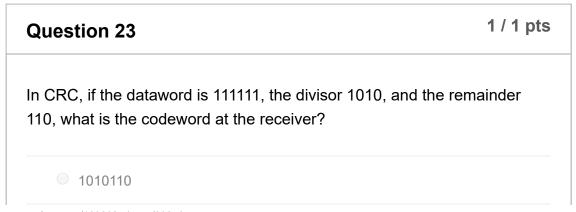
header translation
either tunneling or header translation
tunneling
None of the choices are correct

Correct!	Question 19	1 / 1 pts
	Communication at the data-link layer is	·
	node-to-node	
	end-to-end	
	oprocess-to-process	
	None of the choices are correct	

Question 20	1 / 1 pts
Which error detection method uses one's complement arithmet	ic?
○ CRC	
Two-dimensional parity check	
 Simple parity check 	
Checksum	
	Which error detection method uses one's complement arithmet CRC Two-dimensional parity check Simple parity check

	Question 21	1 / 1 pts
	Which error detection method involves polynomials?	
Correct!	• CRC	
	Two-dimensional parity check	
	Simple parity check	
	Checksum	

	Question 22	1 / 1 pts
	In cyclic redundancy checking, what forms the check bits?	
	The dividend	
Correct!	The remainder	
	The quotient	
	The divisor	



	110111111
	111111011
Correct!	111111110

	Question 24 1 / 1 pts	
	At the CRC generator, is (are) added to the dataword after the division process to create the codeword.	
	○ 1s	
	the divisor	
Correct!	the remainder	
	0 os	

	Question 25	1 / 1 pts
	In CRC, the quotient at the sender	
Correct!	is the remainder	
	becomes the divisor at the receiver	
	is discarded	
	becomes the dividend at the receiver	

Quiz Score: 23 out of 25