

✓ Congratulations! You passed!

TO PASS 80% or higher

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GRADE 100%

Technology: Transport Control Protocol (TCP)

LATEST SUBMISSION GRADE 100%		
1.	What part of data transfer does TCP solve, and what part does IP solve? The reliability of data transmissions, and the security of the data. The reliability of data transmissions, and the actual movement of the data The actual movement of the data, and the reliability of data transmissions The interface via which a user sends data, and the reliability of data transmissions	1/1 point
2.	What is window size in regards packet transfer? The amount of data that can be sent before receiving an acknowledgement The maximum number of packets belonging to an email or file uploaded to the internet The range of hours during the day that low-speed data is free on the Internet The size of the interface window a user sees on the screen and sends packets through Correct A packet is a "chunk" of the data being sent. In actuality, the concept of window size is somewhat simplified in the lecture. The "window" is not actually a precise number of packets - but an amount of data.	1/1 point
3.	What was the problem that Van Jacobson experienced and worked to solve? Getting messages intended for other people Having his secure data stolen during transmission Extremely slow transmission of data when two fast internal networks were connected via a slow network. Receiving partial and indecipherable sets of postcards in the mail	1/1 point
4.	The storage of unacknowledged data is whose responsibility? The link layer of the receiving computer The person sending the data The application layer of the sending computer The transport layer of the sending computer Routers	1/1 point
5.	✓ Correct How did Van Jacobson change TCP so that it would work properly?	1/1 point

O He changed the sending computer to send all of its data to the first router before any packets were sent across

	the slow link	
	He changed the sending computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly and speed up as the computer to start sending data slowly dat	data was acknowledged
	He changed routers to compress data when sending it across slow links.	
	He changed the receiving computer to acknowledge data that had not yet been received.	ved
	✓ Correct	
6.	6. What do we learn from the four layer TCP about how to solve complex problems?	1/1 point
	Applications like word processors need a Link and Transport layer	
	Break things up into smaller pieces, and allow many different people and organizatio indvidually.	ns to tackle each piece
	Ocomplex architecture diagrams help sell products to non-technical management staff	f
	 Generally all software works best when it is broken into quarters with 1/4 of the prob sized teams. 	lem assigned to equal
	✓ Correct	
7.	 If you listened closely to the Bob Metcalfe video, he mentioned that Ethernet was designe ARPANET had been designed and knowing how ARPANET would work allowed him to gree of Ethernet. What problem did the first implementation of Ethernet at PARC assume woul level of the network architecture. 	atly simplify the design
	Retransmitting lost or damaged packets	
	How to deal with two computers attempting to start transmitting data at exactly the each other's data	same time and corrupting
	O How to detect if electrical interference on the ethernet cable caused the data in a pac	ket to be corrupted
	What address would be assigned to each device order to share the Ethernet cable	
	✓ Correct	
8.	When we talk of the protocols that move data over the Internet, we talk of TCP/IP. Which FALSE about TCP/IP:	of the following is
	TCP will retransmit data if it is lost in the Internet	
	TCP demands that data be stored in the sending computer until it is acknowledged	
	IP makes use of TCP as its underlying transport mechanism	
	TCP is a stream of bytes	
	✓ Correct	
9.	In TCP, when does a sending system know it is safe to discard packets after it has sent the	em?
	After the packet has successfully made it across the first hop	
	After it has received an acknowledgement from the receiving system.	
	As soon as the sending computer has in IP address that came from DHCP	
	As soon as the packet has a properly assigned IP address	
	Correct	
10.	10. If you wanted to register the domain dr-chuck.go.com - who would you contact?	1/1 point
	The owner of dr-chuck.com	

The IETF (Internet Engineering Task Force)

	The owner of go.com Jon Postel - Because he was the "numbers guy" in the ARPANET	
	✓ Correct	
11.	When looking at addresses from most general to most specific, we read IP addresses and we read domain addresses (fill in the blanks)	1/1 point
	left to right, right to left	
	o top to bottom, bottom to top	
	right to left, left to right	
	right to left, right to left	
	✓ Correct	