© 20 minutes

[M1] Quiz 3

* This form will record your name, please fill your name.

1.	-	two 16-bit words (shown in binary) below. cksum value for these two 16-bit words:
	10110101 01000001 10) 01010011 00000010 10) (4 Points)	this binary number is 46401 decimal (base this binary number is 21250 decimal (base
	10110101 01000001	
	00001000 01000011	
	00001000 01000100	
	11110111 10111011	

2.	[Fundamentals of Transport Layer] Which of the following options is not a service provided by the Transport layer? (4 Points)		
	\bigcirc	Point-to-Point reliable data tranfer	
	\bigcirc	End-to-End reliable data transfer	
	\bigcirc	Flow control	
	\bigcirc	In-order data delivery	
3.	. [Principles of Reliable data transfer] Which mechanism can be used to handle packet loss? (4 Points)		
	\bigcirc	Cumulative ACK	
	\bigcirc	Pipelining	
	\bigcirc	Timeout retransmissions	
	\bigcirc	Three-way handshake	

4.	and Host B, exchanging application data through a TCP channel. Host A has already sent 99 bytes of application data and Host B has already sent 9 bytes of applications data. At a given time, Host A sends a new packet (PA) to Host B, which answers to Host A with another packet (PB). Both packets PA and PB carry 1 byte of application data. What is the sequence number (Seq) and the acknowledge number (ACK) of PA and PB? (4 Points)	
	\bigcirc	Seq(PA)=99, ACK(PA)=9, Seq(PB)=10, ACK(PB)=99
	\bigcirc	Seq(PA)=100, ACK(PA)=10, Seq(PB)=10, ACK(PB)=101
		Seq(PA)=100, ACK(PA)=9, Seq(PB)=10, ACK(PB)=101
	\bigcirc	Seq(PA)=99, ACK(PA)=100, Seq(PB)=9, ACK(PB)=10
5. [TCP: Flow Control] What information can be sent by the host on to "receiver side" in order to help the host on the "sender side" control the byte stream flow? (4 Points)		
	\bigcirc	ACKs/NACKs
	Socket buffer available space	

This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.

Checksum

Source and destination port numbers

