## EL-GY 5373 Online Review Questions - Set 2

1. An IP host is identified by an IP address. Furthermore, an application running by this host can be identified by the Protocol field in IPv4 header (a.k.a. the Next

Answer True or False to the following questions:

Header with IPv6).

	a)	True	b) False	
	Note	e: need port number(s) to ident	ify Application.	
2.		mum Transmission Unit (MTU) d data transfer.	etermines the Maximum Segment Size (MSS) in	
	a)	True	b) False	
		e: MTU, L2 hub-by-hub chrateris a transfer, due to TCP receiver's	stics, can't be related to MSS, L4 host-to-host s specification.	
3.		Delayed Acknowledgement is used by the receiver to reduce number of messages to a sender that appears to advertise a smaller <i>awnd</i> .		
	a)	True	b) False	
		e: Delayed ACK does help to red smaller <i>awnd</i> .	luce number of messages, but it's not triggered	
4.		gestion window size ( <i>cwnd</i> ) is use in TCP connection establishmen	sed to advertize TCP sender's sliding window nt.	
	a)	True	b) False	
	Note	e: <i>awnd</i> , not <i>cwnd</i> , gets used by	receiver all the time during a TCP connection.	
5.	During TCP data transfer, Ack = 101 from a receiver implies that it has received 100 bytes of data and is ready to receive byte 101.			
	a)	True	b) False	
	Note	e: Ack = 101 doesn't imply of re	ceiving 100 bytes data. What if ISN is not set to	
6.		n's Algorithm suggests not to use gestion under certain circumsta	e RTT measurement in determining network nces.	
	a)	True	b) False	
7.	Note: under which circumstances?  DHCP Relay Info Option (Option 82) allows DHCP server to assign IP address to each client device based on it's location, which ultimately supports efficient routing to more clients for broadband access service.  a) True  b) False			
8.	Pub key.	3 3.	ncryption keys: a public key and a shared secret	
	a)	True	b) False	
	Note ciph		te key. A shred secret key is used by symmetric-key	