EL-GY 5373 Pop Quiz Three

Name:				Student ID:	
 Answer True or False to the fol A higher layer protocol may protocols. 			nigher layer protocol may use	lowing questions: use the service by different lower layer	
		a)	True	b) False	
	2.		IS (Domain Name System) is ι rresponding MAC address	used to translate an IP address to the	
		a)	True	b) False	
III.	Se	Select ALL CORRECT answers for the following questions.			
		To build an N-node fully-connected network, how many point-to-point full- duplex links are needed?			
		a)	N		
		b)	N!		
		c)	N(N-1)/2		
		d)	N^2		
	2. Referrinf to the "Simple" File Transfer example discussed in class (slide Chapter 0), which of the following is (are) stated correctly?			·	
		a)	The source host, mng.poly. address of the destination h	edu as discussed, uses DNS to learn IP nost (photon.poly.edu).	
		b)	The source host determines (sub)network.	s whether the destination host is in the same	
		c)	The source host knows its d	lefault router.	
		d)	The source host uses ARP to destination host.	o learn MAC (hardware) address of the	
	3.	In a destination host, the TCP/IP protocols deliver application data by checking			
		a)	Port number(s)		
		b)	Protocol number/type		
		c)	IP address(es)		
		d)	MAC (hardware) address(es)	
	4.	In packet switching, when a packet arrives at a switching node, how does the switching node determine the output port to forward this packet?			
		a)	Based on pre-established ci	rcuit	
		b)	Based on the header of the	packet	
		c)	Based on the data/payload	part of the packet	
		d)	Based on the trailer of the	packet	