SIIT ITS 413

ITS 413 – Quiz 0

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First name:	Last name:
ID:	Total Marks:
	out of 12
Question 1 [3 marks]	
Draw either one of the following protocol stack	cs, giving the name for each layer:
• the Open Systems Interconnection (OSI) seven layer protocol stack
• the TCP/IP (or Internet) five layer p	orotocol stack
, , , ,	
Question 2 [3 marks]	
	(for example 10,000 bytes) into small packets (for to reduce the number of retransmissions if errors packets? Explain your answer.
Disadvantage [1 mark]:	
Explanation [2 marks]:	

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Question 3 [6 marks]

Selecting from the eight protocols below, for each sentence write the protocol that most accurately completes the sentence.

The protocols you can select from are:

- 1. Transmission Control Protocol (TCP)
- 2. Open Shortest Path First (OSPF)
- 3. Domain Name System (DNS)
- 4. Internet Protocol (IP)
- 5. Carrier Sense Multiple Access (CSMA)
- 6. Address Resolution Protocol (ARP)
- 7. HyperText Transfer Protocol (HTTP)
- 8. User Datagram Protocol (UDP)

Complete these sentences with the above protocols (write the acronym, for example: TCP):
maps human-readable addresses to Internet Protocol (IP) addresses.
aims to provide equal access to nodes contending for a channel.
provides flow control and congestion control in the Internet.
maps Internet Protocol (IP) addresses to hardware addresses (used at MAC layer)
distributes routing information in networks.
provides a reliable stream-oriented service.