

Course No: MUL 3303  
Course Title: DATA  
COMMUNICATION  
AND NETWORKs  
Date: 04/01/2014  
No. of Questions: 5  
Time: 2 hours  
Using Calculator (No)

University of Palestine



Final Exam  
First semester 2013/2014  
Total Grade: 60

Instructor Name: Mr. Ahmed  
AbuMosameh  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: \_\_\_\_\_  
Section No.: \_\_\_\_\_  
Using Dictionary (No)

**First Question**

**(10/60)**

**Decide whether the following sentences are TRUE or FALSE :**

- 1- The IEEE has subdivided the data link layer into two sublayers: logical link control (LLC) and media access control (MAC). ( )
- 2- We can consider FF:FF:FF:FF:FF:FF as a broadcast address. ( )
- 3- An IPv6 address consists of 16 bytes (octets); it is 128 bits long. ( )
- 4- command “enable password” cannot encrypt the password for console ( )
- 5- ICMP system that can map a name to an address or an address to a name ( )
- 6- Open Shortest Path First (OSPF) is an interdomain routing protocols. ( )
- 7- There are 14 generic domains, each specifying an organization type. ( )
- 8- User Datagram Protocol (UDP) classified as reliable protocol. ( )
- 9- HTTP uses the services of TCP on well-known port 80. ( )
- 10- Port number use to choose among multiple processes running on the destination host. ( )

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**Second Question**

**(20/60)**

**a. The WWW today is a distributed client/server service, Talk about three parts of client( browser).**

**b. Illustrate three way handshaking in TCP.**

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**c. Talk about Routing Table.**

**d. Talk about format of an IPv6 datagram.**

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**Third Question**

**(10/60)**

**compare between :**

**1. ARP & DHCP**

**2. SMTP & POP3**

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**Forth Question**

**(10/60)**

**A block of addresses is granted to an organization. We know that one of the addresses is 172.16.16.210 255.255.248.0**

**Find:**

- a. Network ID**
- b. The first address**
- c. The last address**
- d. Broadcast IP**
- e. The number of Networks**
- f. The number of Hosts**
- g. Two Network**

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**Fifth Question**

**(10/60)**

**Say a network for organization consist of two branches each of them contain two computers one of computer have 10.10.10.56/8 IP address**

**Do the following:**

- **Draw the network.**
- **Label the network ID and IPs on your drawing.**
- **Write a command to Configuring an IP Address on an Interface.**

**End of Questions**

*Good Luck*