

Course No: MUL 3303
Course Title: DATA
COMMUNICATION
AND NETWORKs
Date: 20/11/2014
No. of Questions: 3
Time: 1 hours
Using Calculator (No)

University of Palestine



Midterm Exam
2014/2015
Total Grade: 30

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

First Question

(10/30)

Decide whether the following sentences are TRUE or FALSE :

- 1- The application layer is the interface between the user and the network. ()
- 2- Switch an example device for physical Layer. ()
- 3- A simple parity-check code can detect an even number of errors. ()
- 4- In the *go-Back-N* ARQ Protocol, we can send several frames before receiving acknowledgments. ()
- 5- In variable -size framing, there is no need for defining the boundaries of frames; in fixed -size framing, we need a delimiter to define the boundary of two frames. ()
- 6- Extra bits with data not important to detect or correct errors. ()
- 7- Channelization is a multiple-access method in which the available bandwidth of a link is shared in time, frequency, or through code, between different stations. ()
- 8- To avoid collisions on wireless networks, carrier sense multiple access with collision avoidance (CSMA/CA) was invented. ()
- 9- The data link layer of Ethernet consists of the LLC sublayer and the MAC sublayer. ()
- 10- Fast Ethernet has a data rate of 1000 Mbps. ()

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Second Question

(10/30)

a. Compare between Byte stuffing & Bit stuffing

b. Talk about addressing in Data Link Layer.

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c. Talk about Persistence Methods which use in CSMA.

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Third Question

(10/30)

1. Find Codewords by using two way, Simple parity-check code then by using cyclic redundancy check (CRC).

<i>Datawords</i>
1000
1001
1010
1011
1100
1101
1110
1111

2. How many error can I detect and correct?

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End of Questions
Good Luck