WEEK 1 - PRACTICE QUIZ ANSWERS

The Data Link Layer

Practice Quiz : TCP/IP

1) Which of the following is an example of a network layer (layer 3) protocol - **IP**

2) What's the difference between a client and a server? - **A client requests data, and a server responds to that request**

3) Which of the following are examples of layers of our five-layer network model? Check all that apply - **The application layer, The transport layer, The physical layer**

Practice Quiz : Networking Devices

1) Which of the following statements accurately describe the differences between a hub and a switch? Check all that apply
   a) **A hub causes larger collision domains**
   b) **A hub is a physical layer device, and a switch is a data link layer device.**

2) What does LAN stand for ? - **Local Area Network**

3) What's a router? - **A device that knows how to forward data between independent networks.**

Practice Quiz : The Physical Layer

1) What is the type of modulation used by twisted pair cable computer networks known as ? - **Line Coding**

2) What's the difference between full and half duplex ? - **Full duplex allows communications in two directions at the same time; half duplex means that only one side can communicate at a time.**

Practice Quiz : The Data Link Layer

1) How many octets are there in a MAC address ? - **6**

2) What address is used for Ethernet broadcasts - **FF:FF:FF:FF:FF:FF**

3) What is a cyclic redundancy check ? - **A mathematical calculation used to ensure that all data arrived intact.**