

OSI Model Quiz

Name: _____ Date: _____

1. How many layers are on the theoretical OSI Model? _____

2. What does OSI stand for? _____

3. What two networking items function on the Data Link Layer?

_____, _____

4. What are the two sub layers of the Data Link Layer?

_____, _____

5. What networking item functions on the Network Layer?

6. What networking item is located in the Personal Computer (PC)?

7. What layers of the OSI Model are referred to as the "Hardware Layers"?

_____, _____, _____

8. What layers of the OSI Model are referred to as the "Software Layers"?

_____, _____, _____, _____

9. What is the function of the Physical Layer of the OSI Model?

10. What is the function of the Data Link Layer of the OSI Model?

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11. What is a MAC address?

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12. Name three any three components of a Data Frame.

13. What is the function of the Network Layer of the OSI Model?

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14. What is the function of the Transport Layer of the OSI Model?

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15. The Power Plant wants a redundant network with three layers of communication. All of our computers have a single embedded NIC. There are 17 computers in the control room; there are 12 substations with three computers each. The maintenance department has 10 computers and the administration office has 38 computers. We need to order devices along with an addition 10% for spares. How may NICs do we need to order? Show your work.

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