

FG21C - Pre-Instructional Survey

Name _____ Date _____

1. Ethernet and IEEE 802.3 are:
 - a. Exactly the same physical and datalink standards.
 - b. Completely different physical and datalink standards.
 - c. Slightly different standards, but for most applications it does not matter.
 - d. Not physical and datalink standards at all.

2. Which layer of the ISO OSI Model defines protocols for message routing?
 - a. Layer 1
 - b. Layer 2
 - c. Layer 3
 - d. Layer 7

3. If a 10BASE5 LAN experiences a sudden increase in collisions, it is indicative of:
 - a. Poor insurance policies.
 - b. Open coax cable.
 - c. Too high data rate.
 - d. None of the above; this situation will not occur.

4. A 10BASE2 network had the last computer on the East segment removed and it brought the network down. What is the probable cause?
 - a. Computer was removed with power on.
 - b. Terminating resistor was left off of cable.
 - c. The remaining NICs had higher serial numbers.
 - d. The network management software detected an error.

5. Which protocol is not part of the TCP/IP suite?
 - a. UDP
 - b. ARP
 - c. IEEE 802.3
 - d. ICMP

6. IEEE 802.5 describes which of the following?
 - a. Token passing ring
 - b. Token passing bus
 - c. CSMA/CD bus
 - d. DLL Format

7. Most industrial networks use what physical topology?
 - a. Star
 - b. Mesh
 - c. Ring
 - d. Bus

8. The Modbus/TCP protocol suite contains what protocols?
 - a. Ethernet, IP, TCP and the Modbus Application Protocol
 - b. Only TCP and the Modbus Application Protocol
 - c. Modbus+ and the Modbus Application Protocol
 - d. Does not have protocols

9. 10BASE-T refers to an IEEE 802.3 (Ethernet) LAN and indicates:
 - a. 100 Mbps, baseband, STP, 100 meter segment length.
 - b. 10 Mbps, baseband, UTP, 100 meter segment length.
 - c. 100 Mbps, baseband, UTP, 10 meter segment length.
 - d. 10 Mbps, baseband, RG-58 A/U Coax, 185 meter segment length.

10. A bridge operates at which layer of the OSI model:
 - a. Layer 1.
 - b. Layer 2.
 - c. Layer 3.
 - d. Layer 7.

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1. c
2. c
3. b
4. b
5. c
6. a
7. d
8. a
9. b
10. b