

STUDENT ACTIVITY 3.5: NETWORKING SERVICES

MTA Course: 98-366 Networking Fundamentals
Lesson name: Understanding Protocols and Services
Topic: Understand networking services.
File name: NetFund_SA_3.5

Lesson Objective

3.5: Understand networking services. *This objective may include but is not limited to:* DHCP, IPsec, remote access

Resources, software, and additional files needed for this lesson

- None

Directions to the student

Select the best answer to the following questions.

Content:

1. The two basic mechanisms in DHCP are:
 - a. IP address allocation and configuration parameters delivery
 - b. Automatic and manual address allocation
 - c. DHCP protocol and DHCP extensions
 - d. IP address allocation by DHCP and its co-existence with other address configuration management schemes
2. A relay agent is:
 - a. A router using the DHCP protocol
 - b. A DHCP host you can rely on
 - c. A host or router that passes on DHCP messages
 - d. All of the above

3. Relay agents were created for:
 - a. Saving the need for a DHCP/BOOTP server on each subnet
 - b. BOOTP compatibility
 - c. Interoperation of BOOTP clients with DHCP servers
 - d. None of the above
 - e. All of the above
4. BOOTP is a _____ configuration protocol.
 - a. static
 - b. dynamic
 - c. both dynamic and static
 - d. None of the above
5. DHCP is a _____ configuration protocol.
 - a. dynamic
 - b. static
 - c. both dynamic and static
 - d. None of the above
6. When the DHCP client first starts, it is in the _____ state.
 - a. selecting
 - b. initializing
 - c. requesting
 - d. None of the above
7. After sending the DHCPDISCOVER message, the client goes to the _____ state.
 - a. selecting
 - b. initializing
 - c. requesting
 - d. None of the above

8. Remote Access server uses two modes, which are:
 - a. Topic and transport
 - b. Tunnel and topic
 - c. Transport and static
 - d. Tunnel and transport
9. Common network services include:
 - a. E-mail and printing
 - b. DNS and DHCP
 - c. Directory services
 - d. Authentication services
 - e. All of the above
10. What is the most significant change of DHCP over BOOTP?
 - a. The extension mechanism
 - b. Dynamic IP binding and the idea of a lease
 - c. The configuration parameters' delivery mechanism
 - d. Saving one extra letter in the protocol acronym
 - e. None of the above