

QUESTIONS & ANSWERS

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CompTIA

N10-006

CompTIA Network+ Certification

Question: 1389

Which of the following TCP/IP model layers does the OSI model Presentation layer map to?

- A. Transport**
- B. Internet**
- C. Application**
- D. Network Interface**

Answer: C

Explanation:

The Application layer provides applications the ability to access the services of the other layers and defines the protocols that applications use to exchange data. There are many Application layer protocols and new protocols are always being developed.

Question: 1390

Which of the following properties of DHCP would a technician use to ensure an IP address is not leased out from the active scope?

- A. Reservations**
- B. Lease times**
- C. Removing IPs from the active leases**
- D. Configuring the DNS options**

Answer: A

Explanation:

Reservations are permanent lease assignments that are used to ensure that a specified client on a subnet can always use the same IP address. You can use DHCP reservations for hosts that require a consistent IP address, but do not need to be statically configured.

Question: 1391

A network technician needs to configure a port on a switch to provide connectivity and electrical support to a WAP being installed in a warehouse. Which of the following features needs to be configured on the switch?

- A. STP**
- B. PoE**
- C. VTP trunking**
- D. Port forwarding**

Answer: B

Explanation:

Power over Ethernet or PoE describes any of several standardized or ad-hoc systems which pass electrical power along with data on Ethernet cabling. This allows a single cable to provide both data connection and electrical power to devices such as wireless access points or IP cameras.

Question: 1392

Which of the following reasons would MOST likely be used to implement QoS and traffic shaping solutions?

- A. Redundancy**
- B. Fault tolerance**
- C. Unified communications**
- D. Uptime requirements**

Answer: C

Explanation:

In unified communication video, voice, data have only one end gateway so to give priority to avoid delay in voice and video we use Qos.

Question: 1393

On which of the following OSI model layers would a MAC address be used?

- A. Network**
- B. Data Link**
- C. Transport**
- D. Physical**

Answer: B

Explanation:

The ITU-TG.hn standard, which provides high-speed local area networking over existing wires (power lines, phone lines and coaxial cables), includes a complete data link layer which provides both error correction and flow control by means of a selective repeat Sliding Window Protocol.

Question: 1394

A client's computer is unable to access any network resources. Which of the following utilities can a technician use to determine the IP address of the client's machine?

- A. ipconfig**
- B. nslookup**
- C. dig**
- D. tracert**

Answer: A

Explanation:

ipconfig is a command line utility available on all versions of Microsoft Windows starting with Windows NT. ipconfig is designed to be run from the Windows command prompt. This utility allows you to get the IP address information of a Windows computer. It also allows some control over active TCP/IP connections. ipconfig is an alternative to the older 'winipcfg' utility.

Question: 1395

A user's computer is unable to access the Internet. Which of the following utilities can a technician use to determine if DNS is working?

- A. nbstat**
- B. arp**
- C. nslookup**
- D. ipconfig**

Answer: C

Explanation:

nslookup is a network utility program used to obtain information about Internet servers. As its name suggests, the utility finds name server information for domains by querying DNS.

Question: 1396

Which of the following can MOST likely cause intermittent connection problems with a CAT5 network cable?

- A. Cable has been looped too many times.**
- B. Cable has a twist tie attached too close to the connector.**
- C. Cable is too warm.**
- D. Cable is run too close to a fluorescent light.**

Answer: D

Explanation: Cat 5 is a twisted pair cable for carrying signals. This type of cable is used in structured cabling for computer networks such as Ethernet. The cable standard provides performance of up to 100 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet).

Question: 1397

Given a subnet mask of 255.255.255.0, how many usable IP addresses would be in that subnet?

- A. 250**
- B. 254**
- C. 255**
- D. 256**

Answer: B**Explanation:**

The Subnet Mask however, determines the "class" of a Network. 255.255.255.0 is a "Class C" network. A class C network can host up to 254 pc's

Question: 1398

Which of the following commands can a network technician use to check whether the DNS server for a given domain is reachable?

- A. nmap**
- B. nbtstat**
- C. dig**
- D. arp**

Answer: C**Explanation:**

The command dig is a tool for querying DNS nameservers for information about host addresses, mail exchanges, nameservers, and related information. This tool can be used from any Linux (Unix) or Macintosh OS X operating system. The most typical use of dig is to simply query a single host.

Question: 1399

Which of the following standards can operate at either 20MHz or 40MHz channel spacing?

- A. 802.11a**
- B. 802.11b**
- C. 802.11g**
- D. 802.11n**

Answer: D

Explanation:

The 2.4 GHz ISM band is fairly congested. With 802.11n, there is the option to double the bandwidth per channel to 40 MHz which results in slightly more than double the data rate. However, when in 2.4 GHz, enabling this option takes up to 82% [10] of the unlicensed band, which in many areas may prove to be infeasible.

The specification calls for requiring one primary 20 MHz channel as well as a secondary adjacent channel spaced 20 MHz away. The primary channel is used for communications with clients incapable of 40 MHz mode. When in 40 MHz mode, the center frequency is actually the mean of the primary and secondary channels.



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