



TT0-101

Convergence Technologies Professional

Exam number/code: TT0-101

Exam name: Convergence Technologies Professional

Questions & Answers: 131 Q&A

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Question 1:

Users have been reporting an inability to access the Internet. While checking the router, the technician determines that all interfaces are in the desired state. Given this situation, which of the following steps would help identify and isolate the source of the problem?

- A. Check the router's AC power stability with a tester.
- B. PING the router from the locations reporting failure.
- C. Initiate a trouble ticket with the WAN link provider.
- D. Swap out network devices one-by-one until the problem is resolved.

Answer: B

Question 2:

When troubleshooting a network, how can a technician look at the contents of ICMP messages?

- A. By using trace route
- B. By using SNMP GET PDU
- C. By using a cable analyzer
- D. By using a protocol analyzer

Answer: D

Question 3:

Why is a Media Access Control (MAC) address needed for a network interface?

- A. To match a specific IP network address
- B. To provide a serial number for the network interface card
- C. To identify a unique destination on a shared access network.
- D. To identify the manufacturer's warranty date on a network interface card

Answer: C

Question 4:

Which type of message is sent with the PING command?

- A. UDP
- B. CDP
- C. SNMP
- D. ICMP

Answer: D

Question 5:

An existing network with 500 users and 25 servers is experiencing excessive broadcast traffic. Which of the following can be added to limit broadcasts?

- A. Router
- B. Switch
- C. Proxy server
- D. Traffic shaper

Answer: A

Question 6:

Which term is used to describe the hardware address of a token ring interface?

- A. IP address
- B. MAC address
- C. DLCI address
- D. NSAP address

Answer: B

Question 7:

During the call setup phase, call setup information is transmitted as digital information through an associated channel that is logically separate from the media stream channel. Which of the following protocols match this description?

- A. SIP protocol
- B. Q.931 protocol
- C. H.323 protocol
- D. In band circuit switched protocol

Answer: B

Question 8:

How can a router reach a remote device if no route to that destination exists in the routing table?

- A. By using the default route in the routing table
- B. By performing a DNS query to search for alternate addresses
- C. By PINGing the remote device to revive it from its idle state
- D. By transmitting an all-routes explorer frame to find the destination

Answer: A

Question 9:

Which device should be implemented to provide accounting, billing and call-routing services in an H.323 infrastructure?

- A. Gateway
- B. Gatekeeper
- C. Terminal adapter
- D. Multipoint Control Unit

Answer: B

Question 10:

A modem is an example of which type of equipment?

- A. DCE
- B. DTE
- C. CSU
- D. Codec

Answer: A

Question 11:

When connecting a DTE to a DCE, which type of cable is used?

- A. Crossover cable
- B. Reversing cable
- C. Null modem cable
- D. Straight-through cable

Answer: D

Question 12:

A T1 card was recently installed in a customer's PBX connecting T1 service from the Central Office. Initially, T1 communications appeared to be operating properly, but recently customer complaints of pops and clicks on T1 calls have been increasing. What is the potential problem?

- A. The line code does not match that of the provider.
- B. The signaling type for each T1 channel (DS0) is not configured properly.
- C. The T1 clocking configuration of either the PBX's T1 card or the provider's T1 card is incorrectly set.
- D. The prouder is programmed for common channel signaling but the T1 card is configured for robbed-bit signaling.

Answer: C

Question 13:

The DTMF tone transmission identifies the called number during which call-processing step?

- A. Call Setup
- B. Media Stream
- C. Call Connection
- D. Setup Acknowledge

Answer: A

Question 14:

Why does DNS use UDP for name queries and TCP for server-to-server configuration transfers?

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- A. Because the checksum is optional with TCP
- B. Because slower connection oriented communications occur with UDP
- C. Because UDP reduces overhead where reliability is not the primary concern
- D. Because UDP allows more reliable connectionless communications on the local network.

Answer: C

Question 15:

In order to address equipment co-location issues, which do the Network Equipment Building System (NEBS) requirements specify?

- A. Criteria for approved grounding interface types
- B. Specifications for flood and earthquake damage prevention
- C. Criteria for personnel safety, protection of property, and operational continuity
- D. Specifications for building foundation and data telephony-room structures

Answer: C

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