

TIA TT0-201

**TT0-201 Convergence Technologies Professional
2007
Practice Test
Version 3.1**

QUESTION NO: 1**QUESTION NO: 2**

Which of the following is often the most likely cause of static electricity problems with convergence equipment?

- A. Dust.
- B. Improper grounding.
- C. Heat.
- D. Moisture.

Answer: A

QUESTION NO: 3

When calculating bandwidth consumption, which of the following factors should you consider?

- A. Codec, Ethernet overhead, and silence suppression.
- B. QoS settings, codec, and compression.
- C. Codec, Mean Opinion Score (MOS), and Ethernet overhead.
- D. Maximum Transmission Unit (MTU), Ethernet overhead, and QoS settings.

Answer: A

QUESTION NO: 4

Which of the following best describes the IPv4 and IPv6 address formats?

- A. In IPv4, each of the four fields is separated by a period. In an IPv6 address, each of the eight fields is separated by a colon.
- B. In IPv4, the 32-bit fields are separated by a period. In an IPv6 address, each of the 16-bit fields is separated by a colon.
- C. In IPv4, the subnet mask fields are separated by a dash. In an IPv6 address, each of the ten fields is separated by a colon.
- D. In IPv4, each of the four fields is separated by a period. In an IPv6 address, each of the seven fields is separated by a colon.

Answer: A

QUESTION NO: 5

Which of the following will best help you determine the presence of bottlenecks in a switched LAN?

- A. Create a traffic baseline.
- B. Enable VLAN hopping.
- C. Create an Acceptable Use Policy (AUP).
- D. Disable frame tagging.

Answer: A

QUESTION NO: 6

Which of the following describes the protocols that can be implemented in an H.323 gateway to help traverse firewalls?

- A. STUN and TURN, and ANAT.
- B. H.460.17, H.460.18 and H.460.19.
- C. No protocols are specified.
- D. The Media Gateway Protocol (MGCP) and the Realtime Transport Protocol (RTP).

Answer: B

QUESTION NO: 7

You have just installed a wireless access point that you plan to use for voice and video calls. Which of the following is an essential setting to put in place so that you can prioritize multiple traffic streams?

- A. Multiple SSID entries.
- B. MAC address filtering.
- C. Larger MTU settings.
- D. Multiple default gateways.

Answer: A

QUESTION NO: 8

Which of the following best describes IPsec Tunnel Mode?

- A. Tunnel mode does not support the ability to traverse NAT implementations, unless you use additional software or hardware solutions.

- B. Only the header of the packet is encrypted. The rest of the packet, including the data, is not encrypted.
- C. It encapsulates network traffic inside of an IP packet for delivery to a remote network.
- D. Tunnel mode does not support the encryption of data packets.

Answer: C

QUESTION NO: 9

Which of the following accurately describes the H.323 protocol?

- A. It was originally designed for multimedia applications.
- B. It was originally designed to be a lightweight, customizable protocol
- C. It has native QoS support.
- D. It has native encryption support.

Answer: A

QUESTION NO: 10

The IP phones for the sales department reside in a separate subnet than the IP PBX. They are having problems registering with the PBX's gateway. You can ping each phone from within the subnet, but not from outside the subnet. Which of the following is the most likely cause of the problem?

- A. The VLAN has been incorrectly assigned on the switch port.
- B. The MAC addresses for the phones have not yet been registered with the IP PBX.
- C. The router does not have a default route.
- D. The cables connecting the IP phones are category 5, rather than category 5e

Answer: A

QUESTION NO: 11

Which of the following does an Analog Telephone Adapter (ATA) use to connect directly to a network?

- A. A crossover cable.
- B. Foreign Exchange Station (FXS).
- C. RJ-11 connector.
- D. RJ-45 connector.

Answer: D

QUESTION NO: 12

Given the host IP address of 142.43.13.14 and subnet mask of 255.255.255.192, what is the network number for the attached network?

- A. 142.43.13.0
- B. 142.43.8.0
- C. 142.43.32.0
- D. 142.43.192.0

Answer: A

QUESTION NO: 13

Where is a jitter buffer typically implemented?

- A. At the transmitting end of the voice connection.
- B. At the network layer 3 switch.
- C. At the receiving end of the voice connection.
- D. At the network layer 2 switch.

Answer: C

QUESTION NO: 14

How many analog samples occur per second during Pulse Code Modulation (PCM), as defined by the G.711 codec?

- A. 80
- B. 800
- C. 8,000
- D. 8

Answer: C

QUESTION NO: 15

Consider the following image of a Media Access Control (MAC) address: QV12116b Y\$X%&*+
Which of the following describes the portion designated by letter A?

- A. The 48 bit ID code, known as the EUI-48.
- B. The 64 bit interface serial number, known as the known as the Organizationally Unique Identifier (OUI).
- C. The 48 bit ID code, known as the Mac-48.
- D. The 24 bit vendor code, known as the Organizationally Unique Identifier (OUI)

Answer: D

QUESTION NO: 16

Which of the following devices inspects incoming packets, makes dynamic routing decisions based on the source and destination IP addresses, and is considered the most appropriate device to use when forwarding packets between networks?

- A. Gateway
- B. Repeater
- C. Layer 2 switch
- D. Layer 3 switch

Answer: D

QUESTION NO: 17

Which of the following attacks exploits switches that use the default VLAN and autotrunking?

- A. VLAN hopping.
- B. SYN flooding.
- C. Connection hijacking.
- D. MACaddress spoofing.

Answer: A

QUESTION NO: 18

Which of the following standards used by an access point uses the Advanced Encryption Standard (AES) to encrypt data, voice and video?

- A. Wired Equivalent Privacy (WEP)
- B. 802.11i
- C. RADIUS
- D. 802.11g

Answer: B

QUESTION NO: 19

Which of the following types of attacks specifically targets an SIP proxy server's ability to authenticate a user?

- A. Denial of service.
- B. Virus.
- C. Dictionary attack.
- D. Zero-day attack.

Answer: C

QUESTION NO: 20

When data is sent down to the Session layer of the OSI/RM the PDU consists of which encapsulated components?

- A. Physical header, Network header, Data
- B. Application header, Presentation header, Transport header
- C. Data, Application header, Presentation header
- D. Network header, Data Link header, Physical header

Answer: C

QUESTION NO: 21

Which of the following connects the Foreign Exchange Station (FXS) portion of an Analog Telephone Adapter (ATA) to an analog phone?

- A. USB connector.
- B. RS-232 connector.
- C. RJ-45 connector.
- D. RJ-11 connector.

Answer: D

QUESTION NO: 22

As a general rule, which of the following statements is correct?

- A. Increasing compression to reduce bandwidth consumption increases voice quality.
- B. Increasing compression increases bandwidth consumption and reduces voice quality.
- C. Decreasing compression increases bandwidth usage and reduces voice quality.
- D. Increasing compression to reduce bandwidth consumption reduces voice quality.

Answer: D

QUESTION NO: 23

Consider the following IP address in CIDR notation ,142.98.8.0/26 How many addresses can theoretically be in each subnet?

- A. 1,048,574
- B. 4,094
- C. 62
- D. 254

Answer: C

QUESTION NO: 24

A customer has asked you to create a solution that allows users to share applications across the Internet. She

has given you the following parameters:

The solution needs to industry-standard and extensible. The client does not want a proprietary protocol

Application will be delivered to multiple recipient at the same time, your solution must take this into account

Client will be using application from multiple vendors to view the same content in real-time

Clients will be using application from Macintosh, Windows and Linux systems

The solution should be robust and not experimental

Which of the following protocols allows the vendor you choose to meet your client's needs?

- A. MPEG
- B. H.323
- C. SIP
- D. T.120

Answer: D

QUESTION NO: 25

Which of the following devices operates at Layer 2 of the OSI/RM and is considered the ideal device for creating a new broadcast domain for a voice device?

- A. Hub
- B. Router
- C. Bridge
- D. Switch

Answer: D

QUESTION NO: 26

As a general rule, which of the following statements is correct?

- A. Increasing compression increases bandwidth consumption and reduces voice quality.
- B. Decreasing compression increases bandwidth usage and reduces voice quality.
- C. Increasing compression to reduce bandwidth consumption reduces voice quality.
- D. Increasing compression to reduce bandwidth consumption increases voice quality.

Answer: C

QUESTION NO: 27

You have decided to use the following range of IP addresses: 172.16.0.0/24 Which of the following will allow you to avoid deploying NAT traversal workarounds?

- A. Deploy a Session Border Controller (SBC).
- B. Deploy a STUN server.
- C. Use registered IP addresses for all devices.
- D. Use the default subnet mask for your IP address range.

Answer: C

QUESTION NO: 28

What part of a network connection is a typical cause of jitter?

- A. The receiving (i.e., incoming) router interface.
- B. The network switch.
- C. The sending (i.e., outgoing) router interface.
- D. The network hub.

Answer: C

QUESTION NO: 29

When a technician connects a North American T-1 trunk to a European E-1 trunk using a conversion device, which of the following will result?

- A. No less than 80% of the T-1 can be used.
- B. The connection will fail, because E-1 uses out-of-band transmission, and T-1 lines use in-band transmission.
- C. No more than 80% of the E-1 trunk can be used.
- D. No connection can be made between E-1 and T-1.

Answer: C

QUESTION NO: 30

Which of the following codecs is often specified as the default when using H.323?

- A. G.722
- B. G.711
- C. G.726
- D. G.729a

Answer: B

QUESTION NO: 31

Which of the following can cause the most significant interference with Wi-Fi communications?

- A. 2.4 GHz cordless phones.
- B. Television equipment.
- C. 900 MHz cordless phones.
- D. Ethernet hubs.

Answer: A