

Exam : CTP TT0-201

**Title : Convergence Technologies
Professional 2007**

Version : Demo

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1. Receiving a fax as an e-mail attachment is an example of which technology?

- A. Circuit-switched faxing, as defined by T.30
- B. Multipoint application sharing, as defined by T.128
- C. Store-and-forward faxing, as defined by T.37
- D. Multipoint still image exchange, as defined by T.127

Answer: C

2. In which of the following layers of the OSI/RM would you find Session Initiation Protocol (SIP)?

- A. Network layer
- B. Physical layer
- C. Session layer
- D. Application layer

Answer: D

3. Which of the following is responsible for ensuring that incoming customer calls are properly queued according to the order in which they were received?

- A. SIP proxy
- B. Edge router
- C. Automatic Call Distributor (ACD)
- D. Analog Telephone Adapter (ATA)

Answer: C

4. Which of the following are common elements of a Call Detail Record (CDR)?

- A. Conversation time, QoS results, and caller
- B. Caller, duration, and amount billed for each call
- C. Amount billed for each call, IP address of calling host, and QoS results
- D. IP address of calling host, duration, and Mean Opinion Score (MOS)

Answer: B

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

- A. Reference clocking settings, ESP mode, and BOOTP settings
- B. Codec, Ethernet overhead, and silence suppression (if supported)
- C. Codec, BOOTP settings, and Maximum Transmission Unit (MTU) settings
- D. Maximum Transmission Unit (MTU) settings and NAPTR records

Answer: B

6. Which of the following codecs specifies a voice stream operating at 8 Kbps, is less complex than G.729, and yet obtains roughly the same Mean Opinion Score (MOS)?

- A. G.711
- B. G.723
- C. G.726
- D. G.729a

Answer: D

7. Which of the following can cause the most significant interference with WiFi communications?

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

Answer: C

8. Which device specializes in admitting calls into a network, manages session traffic, and helps traffic traverse a firewall?

- A. Layer 3 switch
- B. Multipoint Control Unit (MCU)
- C. IP Multimedia Subsystem (IMS)
- D. Session Border Controller (SBC)

Answer: D

9. Which of the following is most likely to cause packet loss and clicking during a phone call?

- A. Impedance mismatch
- B. Improper reference clocking
- C. Improper equipment grounding
- D. Packets arriving out of order

Answer: B

10. You want to connect a PBX made by one manufacturer to another PBX made by a different manufacturer. You need to ensure that these interconnected PBXs will retain their basic and supplementary services. Which protocol was originally designed to allow this?

- A. H.225
- B. H.450
- C. Q.932
- D. QSIG

Answer: D

11. Your team has determined that the voice quality of a video transmission is too low. What Mean Opinion Score (MOS) would indicate a low level of voice quality?

- A. 2.5
- B. 3.6
- C. 4.5
- D. 7.7

Answer: A

12. Which of the following best describes differences between DiffServ and 802.1p?

- A. DiffServ uses Layer 3 devices for QoS, whereas 802.1p uses Layer 2 devices for QoS.
- B. DiffServ requires an Application Layer Gateway (ALG), whereas 802.1p requires a Layer 3 switch.
- C. DiffServ uses Layer 2 devices for QoS, whereas 802.1p uses Layer 3 devices for QoS.
- D. Microsoft's Packet Scheduler uses DiffServ at Layer 7 of the OSI, whereas Cisco products use 802.1p at Layer 4 of the OSI.

Answer: A

13. Consider the following output of the tracert command:

Tracing route to www.CTP-certified.com [164.128.206.2] over a maximum of 30 hops:

```
1  2 ms    1 ms    2 ms    192.168.1.1
2  13 ms   9 ms   12 ms   10.160.64.1
3  10 ms   11 ms  11 ms   68.2.9.21
4  9 ms    10 ms  8 ms    68.2.13.166
5  9 ms    12 ms  13 ms   68.2.13.30
6  27 ms   16 ms  9 ms    chnddsrj02-ae2.0.rd.ph.cox.net [68.2.14.5]
7  32 ms   24 ms  20 ms   langhbr01-ae0.r2.1a.cox.net [68.1.0.232]
8  21 ms   25 ms  25 ms   eqix.lsan.twtelecom.net [206.223.123.36]
9  18 ms   18 ms  24 ms   66.192.251.26
10 40 ms   33 ms  35 ms   core-01-so-0-0-0-0.phnx.twtelecom.net [66.192.7.17]
11 36 ms   42 ms  39 ms   hagg-01-ge-0-3-0-510.phnx.twtelecom.net [66.192.247.73]
12 40 ms   43 ms  45 ms   206-169-207-8.static.twtelecom.net [206.169.207.8]
13 44 ms   51 ms  42 ms   www.ctpcertified.org [64.128.206.2]
```

Trace complete.

Line 4 includes the string "9 ms 10 ms 8 ms." What do these numbers indicate?

- A. The average time it took for the router to respond
- B. The router's three interfaces that are able to respond to the tracert query
- C. The response time for the three packets sent by tracert to return from the router
- D. The time it takes for intervening hosts to process the packets between your host and the router in question

Answer: C

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

- A. Disabling frame tagging
- B. Enabling VLAN hopping
- C. Establishing a baseline
- D. Creating an Acceptable Use Policy (AUP)

Answer: C

15. Which of the following describes the proper sequence of the TCP handshake?

- A. The client sends an RST packet, the server issues an ACK packet, and the client replies with an ACK packet, completing the handshake.
- B. The client sends a REQ packet, the server sends a SYN packet, and then the client replies with a FIN packet, completing the handshake.
- C. The client sends an RST packet, the server sends a SYN packet, and then the client replies with a SYN ACK packet, completing the handshake.
- D. The client sends a SYN packet, the server sends a SYN ACK packet, and then the client replies with an ACK packet, completing the handshake.

Answer: D

16. Which element of a convergent network does a connection-hijacking attack typically exploit?

- A. Soft phones
- B. Wireless network radio frequencies
- C. The TCP three-way handshake
- D. Network Address Translation (NAT)

Answer: C

17. 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. Data, application header, presentation header
- C. Network header, data link header, physical header
- D. Application header, presentation header, transport header

Answer: B

18. Which of the following best describes ISDN Primary Rate Interface (PRI) in both North America and Europe?

- A. In all areas, ISDN PRI offers two 64-Kbps "B" channels and one 16-Kbps "D" channel.
- B. In Europe, Asia and Africa, ISDN PRI offers two 64-Kbps "B" channels and one 16-Kbps "D" channel; whereas in North America, it offers only two 64-Kbps "B" channels.
- C. In Europe, Asia and Africa, ISDN PRI offers 30 64-Kbps "B" channels, plus two 64-Kbps "D" channels for framing and signaling, respectively; whereas in North America, it offers 23 64-Kbps "B" channels and one 64-Kbps "D" signaling channel.
- D. In North America, ISDN PRI offers 30 64-Kbps "B" channels, plus two 64-Kbps "D" signaling channels for framing and signaling, respectively; whereas in Europe, Asia and Africa, it offers 23 64-Kbps "B" channels, plus one 64-Kbps "D" channel for framing and signaling.

Answer: C

19. What is the term for assigning a unique VLAN identifier to traffic controlled according to 802.1q standards?

- A. Frame tagging
- B. VLAN switching
- C. Packet injection
- D. LAN segmentation

Answer: A

20. What is the call sequence as established by the Q.931 standard?

- A. ALERTING, CALL PROCEEDING, CONNECT, ACKNOWLEDGE, FIN
- B. ALERTING, CALL PROCEEDING, CONNECT, CONNECT ACK, RELEASE
- C. SETUP, CALL PROCEEDING, ALERTING, CONNECT, CONNECT ACK, DISCONNECT, RELEASE, RELEASE COMPLETE
- D. ESTABLISH, SYN, SYN ACK, CONNECT, CONNECT ACK, CALL PROCEEDING, DISCONNECT, RELEASE, RELEASE ACKNOWLEDGE, FIN

Answer: C

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