



**Exam Code:** tt0-201

**Exam Name:** Convergence Technologies Professional  
2007

**Vendor:** CTP

**Version:** DEMO

## Part: A

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

**Correct Answers: 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

**Correct Answers: 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
- CAutomatic Call Distributor (ACD)
- D.Analog Telephone Adapter (ATA)

**Correct Answers: 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)

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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)

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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.45
- D.77

**Correct Answers: 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.

**Correct Answers: 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

**Correct Answers: 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)

**Correct Answers: 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.

**Correct Answers: D**