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**Alcatel-Lucent Quality of Service**

**4A0-107**

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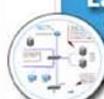
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**QUESTION: 1**

True or False?

A proper end-to-end QoS solution is becoming more of an issue even as more bandwidth is being made available to today's bandwidth-intensive, interactive multimedia applications.

- A. True
- B. False

**Answer: A**

**QUESTION: 2**

Which of the following are examples of metrics for QoS?

- A. delay, jitter, packet loss
- B. latency, FIFO, WRED
- C. signal degradation, attenuation, line loss
- D. SNR, radial CODEC inversion, latency
- E. Inverse Queue Depletion, delay, packet loss

**Answer: A**

**QUESTION: 3**

Which of the following are Ethernet SAP encapsulation types? (Select all that apply)

- A. Null
- B. Dot1Q
- C. Q-in-Q
- D. IPCP
- E. BCP-Null
- F. BCPdot1.q
- G. Frame Relay

**Answer: A, B, C**

**QUESTION: 4**

Which of the following are not considered a differentiator/classifier of customer traffic at layer 2 or 3 of the OSI model? (Select all that apply)

- A. DSCP
- B. 802.1p
- C. IP Precedence
- D. TCP/UDP Port numbers
- E. HTML version

**Answer: D, E**

**QUESTION: 5**

Which of the following statements is true regarding the DSCP bits? (Select three)

- A. The precedence level bits define 4 Assured Forwarding Classes
- B. The three least significant bits of the DSCP bits specify the drop probability
- C. The 8 bits of the TOS field are used for DSCP
- D. To convert DSCP to IP Precedence the three most significant bits are matched
- E. DSCP provides for 64 precedence levels with 3 drop probabilities

**Answer:** A, B, D

**QUESTION: 6**

Pick from the following list the 3 major components of the QoS features on the Alcatel-Lucent 7750 SR.

- A. virtual inflow classification
- B. real-time QoS shaping
- C. traffic classification
- D. 802.1q p-bit rate-limiting
- E. buffer memory management
- F. traffic scheduling

**Answer:** C, E, F

**QUESTION: 7**

The IOM is responsible for which of the tasks listed below? (Select three)

- A. local processing of critical control plane functions
- B. IPSec VPN hardware accelerated encryption
- C. queuing, scheduling, and buffer management
- D. IP/MPLS/MAC forwarding lookup
- E. Layer 2 / Layer 3 encapsulation

**Answer:** C, D, E

**QUESTION: 8**

Which of the following statement is true with regards to Q-in-Q on the Alcatel-Lucent 7750 SR?

- A. Q-in-Q defines a mechanism for encapsulating queued DSCP traffic at the provider edge
- B. Q-in-Q is a new protocol that supercedes 802.1p priority-bit mapping in a QoS-aware network
- C. The use of either the inner or outer 802.1p bits in the 802.1q frames for QoS classification can be configured on the Alcatel-Lucent 7750 SR
- D. Q-in-Q is a protocol which re-encapsulates trunked p-bits in an outer label that is mapped into the EXP bits in an MPLS backbone
- E. none of the above

**Answer: C**

**QUESTION: 9**

Which of the following are not categories of forwarding classes on the Alcatel-Lucent 7750 SR? (Select three)

- A. Real-time
- B. Assured
- C. Non-conforming
- D. High Priority
- E. Expedited

**Answer: A, C, E**

**QUESTION: 10**

Which of the following are Trusted boundaries by default? (Select two)

- A. An IES SAP
- B. A VPLS SAP
- C. A network port
- D. A VPRN SAP
- E. An access port

**Answer: C, D**