



Vendor: Alcatel-Lucent

Exam Code: 4A0-107

Exam Name: Alcatel-Lucent Quality of Service

Version: DEMO

QUESTION 1

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? Choose all that apply.

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

Answer: ABC

QUESTION 4

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

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

Answer: DE

QUESTION 5

Which of the following statements are true regarding the DSCP bits? Choose three answers.

- 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: ABD

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: CEF

QUESTION 7

The IOM is responsible for which of the tasks listed below? Choose three answers.

- 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: CDE

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?
Choose 3 answers.

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

Answer: ACE

QUESTION 10

Which of the following are Trusted boundaries by default? Choose 2 answers.

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

Answer: CD

QUESTION 11

True or False. There is a default network policy applied to all router interfaces?

- A. True
- B. False

Answer: A

QUESTION 12

Which of the following are characteristics of DSCP. Choose 3 answers?

- A. Part of the layer 3 header
- B. A 6-bit field of which the first 3 bits indicate the IP Precedence bits
- C. Specifies 8 different priorities
- D. Specifies 3 precedence levels
- E. Part of the layer 2 header
- F. Specifies 64 different per hop behaviors

Answer: ABF

QUESTION 13

Which of the following QoS policies does not have a default policy?

- A. scheduler policies
- B. service ingress
- C. service egress

- D. network queue
- E. network
- F. slope

Answer: A

QUESTION 14

Which of the following is not one of the ingress matching criteria for a network policy? Choose all that apply.

- A. TCP port numbers
- B. LSP EXP
- C. DSCP
- D. Source and destination IP addresses
- E. Dot1P priority

Answer: AD

QUESTION 15

On the Alcatel-Lucent 7x50 SR, on what port is classification performed?

- A. Access ports
- B. Network ports
- C. Access ports with q-in-q encapsulation
- D. Both access and network ports
- E. Neither access or network ports

Answer: D

QUESTION 16

Which of the following are possible criteria for classifying packets at the network port ingress on the Alcatel-Lucent 7x50 SR? Choose all that apply.

- A. The EXP bits in the MPLS header
- B. The packet source and destination IP addresses
- C. The packet DSCP bits
- D. The dot1p bits in the frame header
- E. The ID of the SDP transporting the packet

Answer: ACD

QUESTION 17

A partial SAP-ingress policy configuration is shown below. A udp video stream is sent to a PC with IP address 192.168.1.100. Given the SAP-ingress policy, to which Forwarding Class is the traffic matched?

- A. AF
- B. EF
- C. H2

- D. H1
- E. BE

Answer: B

QUESTION 18

Fill in the blank. On the Alcatel-Lucent 7750 SR, sap-ingress policies can consist of up to ____ queues per forwarding class for multipoint traffic.

- A. 64
- B. 8
- C. 3
- D. 16
- E. 1

Answer: C

QUESTION 19

Which of the following statements are false regarding buffer pool allocation? Choose two.

- A. Each network egress port receives its own buffer pool
- B. Each SAP-egress port receives its own buffer pool
- C. All SAP-ingress ports on the same MDA share a buffer pool
- D. All the network ingress ports on the same MDA share a buffer pool
- E. Each network ingress ports on the same MDA receives its own buffer pool

Answer: CE

QUESTION 20

Fill in the blanks with the correct entity. To manage the shared buffer space at network ports, slope policies are applied on _____ for the ingress direction and on _____ or _____ for the egress direction.

- A. interfaces, ports, SAPs
- B. ports, ports, MDAs
- C. MDAs, MDAs, ports
- D. interfaces, interfaces, MDAs
- E. MDAs, ports, interfaces

Answer: C

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