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Cisco

Designing for Cisco Interwork Solutions

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QUESTION 1

Which statement accurately describes one difference between a small office and medium office topology?

- A. Small offices commonly use Rapid PVST+ for Layer 3 deployments.
- B. Medium offices use integrated 10/100/1000 interfaces as Layer 2 trunks.
- C. Medium offices use external access switches to support LAN connectivity.
- D. Medium offices commonly use integrated route and switching platforms.

Answer: C

QUESTION 2

Certkiller .com is planning to upgrade its current network. The chief technology officer has supplied a topology diagram and an IP addressing scheme of the current network during an interview.

Certkiller .com has been growing at about twenty percent per year. It has been difficult to maintain customer support at a satisfactory level. Therefore, the RST board has met with and directed the chief technology officer to look into network improvements.

Which two items are most relevant in documenting Certkiller .com's business requirements? (Choose two.)

- A. network performance requirements
- B. existing network topologies
- C. the IP addresses assigned by the ISP
- D. improved customer support requirements
- E. projected growth estimates

Answer: D,E

QUESTION 3

Which of these accurately describes dial backup routing?

- A. once the backup link is activated it will remain active even after the primary link is restored
- B. it always uses permanent static routes
- C. it is supplied by the service provider as a secondary PVC at no additional charge
- D. the router initiates the dial backup link when a failure is detected on the primary link
- E. it always uses distance vector routing protocols

Answer: D

Explanation:

Dial backup routing is a way of using a dialup service for backup purposes. The switched circuit provides the backup service for another type of circuit, such as point-to-point or Frame Relay. The router initiates the dial backup line when it detects a failure on the

primary circuit. The dial backup line provides WAN connectivity until the primary circuit is restored, at which time the dial backup connection terminates

QUESTION 4

DRAG DROP

You work as a network technician at Certkiller .com. Your boss, miss Certkiller, is interested in QoS features. Match the proper features with appropriate mechanism.

Options,select from these

ACLs	CAR
LFI	LLQ
WRED	

Definitions

Congestion management
Congestion avoidance
Classification and marking
Link efficiency
Traffic conditioners

Options,place here

Place here

Answer:

Definitions

Congestion management
Congestion avoidance
Classification and marking
Link efficiency
Traffic conditioners

Options,place here

LLQ
WRED
ACLs
LFI
CAR

Explanation:

1. LLQ is a congestion management tool, which brings strict PQ (Priority Queuing) to CBWFQ (Class-Based Weighted Fair Queuing). It is a combination of PQ and CBWFQ. Strict PQ allows delay sensitive data such as voice to be dequeued and sent first (before packets in other queues are dequeued), giving delay-sensitive data preferential treatment over other traffic.
2. Congestion-avoidance techniques monitor network traffic loads so that congestion can be

anticipated and avoided before it becomes problematic. WRED (Weighted random early detection) is the Cisco implementation of the random early detection (RED) mechanism. RED randomly drops packets when the queue gets to a specified level.

3. ACL (Access Control Lists) is used to control (Permit or Deny) the traffic moving through the network. In QoS implementation, ACL helps to classify the traffic.

4. Link Efficiency techniques like LFI and compression can be applied to WAN paths. The purpose of LFI is to prevent small voice packets from being queued behind large data packets, which could lead to unacceptable delays on low-speed links.

5. CAC (Call Admission Control) is a traffic conditioner's mechanism, which extends the QoS capabilities to protect voice traffic from being negatively affected by other voice traffic by keeping excess voice traffic off the network.

QUESTION 5

Western Associated News Agency recently acquired a large news organization with several sites, which will allow it to expand to worldwide markets. The new acquisition includes these connectivity technologies:

Frame Relay

ATM

SONET

cable

DSL

wireless

From a Layer 1 viewpoint, which Enterprise Edge module will be most affected?

A. E-Commerce

B. Edge Distribution

C. PSTN

D. WAN/MAN

E. Internet Connectivity

F. ISP

Answer: D

Explanation:

Wide Area Network(WAN)/MAN(Metropolitan Area Network) technologies are used to connect the different branches located into different locations. Frame-Relay, ISDN, DSL, Cable, Wireless are the technologies used for WAN/MAN.

QUESTION 6

Which H.323 protocol controls call setup between endpoints?

A. RAS

B. RTCP

C. H.245

D. H.225

Answer: D

Explanation:

The H.225 is called Q.931 standard protocol. It describes call signaling and the Registration, Admission, and Status (RAS) signaling used for H.323 session establishment and packetization between two H.323 devices.

QUESTION 7

DRAG DROP

You work as a network technician at Certkiller .com. Your boss, miss Certkiller, is interested in bandwidth usage optimization techniques. Match the proper technique with appropriate definition

Options,select from these

Data compression

Traffic policing

Window size

queuing

Definitions

Options,place here

Allows network administrators to manage the varying demands generated by applications

Place here

Discards packets or modifies some aspect of them (such as IP precedence)

Place here

Limits the number of frames transmitted before an acknowledgement is received

Place here

Reduces data size to transmission time, optimizing the used WAN bandwidth

Place here

Answer:

Definitions

Options,Place here

Allows network administrators to manage the varying demands generated by applications

queuing

Discards packets or modifies some aspect of them (such as IP precedence)

Traffic policing

Limits the number of frames transmitted before an acknowledgement is received

Window size

Reduces data size to transmission time, optimizing the used WAN bandwidth

Data compression

Explanation:

Queuing:

Queuing is called Congestion Management in Cisco documents and also occasionally



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and many others.. See complete list [Here](#)

