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**Exam** : **HPE7-A04**

**Title** : Aruba Certified Data Center  
Architect Exam

**Vendor** : HP

**Version** : DEMO

**NO.1** How many Aruba 100G QSFP28 LC ER4L 40KM SMF Transceivers are allowed on Aruba CX 8325?

- A. Twelve Transceivers
- B. Four Transceivers
- C. None
- D. Eight Transceivers

**Answer:** B

**NO.2** A customer currently has a three-tier architecture in which aggregation switches are the default gateways.

Pairs of aggregation switches use VRRP. You are migrating to an L2 two-tier architecture in which the core switches are the default gateways. How should you migrate the default gateway functionality?

- A. Use a DHCP server to assign servers new gateway IP addresses, which are configured on the new core switches
- B. Configure VSX active gateway on the new core switches using the current default gateway IP address as the virtual IP and a new virtual MAC address
- C. Add the core switches to the aggregation switches' VRRP groups and use VRRP to fail over to the new switches
- D. Configure VSX active gateway on the new core switches using a new default gateway IP address as the virtual IP and the existing VRRP MAC for the virtual MAC address

**Answer:** C

**NO.3** 2-Tier L2 Design

- \* 6400 100G Core Switches
- \* 8320 48-P 10G RJ45 Access Switches
- \* 40G DAC connections between Core and AccessCore Switches = VSX Pairs of 6400 switches (each with 2 x 12-port QSFP28 100G modules) Each pair uses:
  - \* 2 x 1M 100G DAC for ISL
  - \* 1 x 1M 100G DAC for Keepalive
  - \* 2 x 5M 40G DAC to each access switch

Each Spine switch has 5 x 100G interfaces available.

This solution could scale to a maximum of:

- A. 7 total racks using same subscription rates
- B. 10 total racks using same subscription rates
- C. 12 total racks using same subscription rates
- D. 15 total racks using same subscription rates

**Answer:** D

**NO.4** What is the maximum distance supported by Active Optical Cables (AOC)?

- A. 7 meters
- B. 50 meters
- C. 15 meters
- D. 30 meters

**Answer:** B

**NO.5** Which of the following switches support both Front-to-Back and Back-to-Front airflow?(Select two)

- A. 8400
- B. 8360
- C. 8325
- D. 8320

**Answer:** B C

**NO.6** What is a use case for a two-tier L2 design for a dedicated data center?

- A. Server room adjacent to campus core
- B. Customers with medium-to-large data centers with application demanding requirements
- C. Customers with small-to-medium data centers with less demanding requirements
- D. Data Center that is located in a separate building to the campus network

**Answer:** C

**NO.7** What is the transit VLAN that runs between VSX members?

- A. Must not be assigned IP addresses on any switch.
- B. It is used as a keepAlive mechanism
- C. It is a routed VLAN allowed in the ISL to ensure that the two switches within a VSX pair can learn routes from one another, in potential failover situations
- D. Must be assigned identical IP address on both of the switches

**Answer:** C

**NO.8** What delivery documents are included in the post-installation handover?

- A. Devices Datasheets
- B. Devices Quick Specs
- C. Cost of the project
- D. Archived configurations
- E. Inventory

**Answer:** D E

**NO.9** One of your customers has the following:

2-Tier L2 Design

- \* 8325 32x100G Core Switches
- \* 8360 48x10G RJ-45 Access Switches
- \* 100G 5M DAC connections between Core and Access

Core Switches = VSX Pairs of 8325 32-port 100G switches (F-B airflow).

Access Switches = VSX Pairs of 8360-48xBaseT switches (F-B airflow).

Each Core Switch pair uses the following for VSX:

- \* 2 x 100G QSFP28 1M DACs for ISL
- \* 1 x 100G QSFP28 1M DAC for Keepalive

Each Access Switch pair uses the following for VSX:

- \* 2 x 100G QSFP28 1M DACs for ISL

\* 1 x 10G RJ45 cable for Keepalive

Each Core switch has 29 remaining available 100G QSFP28 interfaces for access switch connectivity.

This solution uses 1x100G QSFP28 5M DAC from each access switch to each core switch.

This solution can scale up to a maximum of 14 racks using the same subscription rates.

**A.** 12

**B.** 14

**C.** 16

**D.** 18

**Answer:** B

**NO.10** You have a customer who wants 3:1 oversubscription and has a CX switch with 24 ports, and each port operates at 25 Gbps edge ports. What is the expected uplink speed?

**A.** 400 Gbps

**B.** 250 Gbps

**C.** 100 Gbps

**D.** 200 Gbps

**Answer:** D