Vendor: HP

Exam Code: HPE7-A04

Exam Name: Aruba Certified Data Center Architect

Version: DEMO

QUESTION 1
CX Switches come with trusted platform modules (TPM). What is the function of TPM?

A. TPM stores a certificate signed by an HPE Aruba Networking Certification Authority (CA).
B. TPM prevents customers from loading certificates signed by the CA of their choice to the switches
C. TPM is just a convenient name to allow users to connect to the switch securely
D. TPM stores a certificate signed by GeoTrust Certification Authority (CA).

Answer: A

QUESTION 2
Which switch model is able to perform microsegmentation?

A. CX 10000
B. CX 8325
C. CX 8400
D. CX 8360
E. CX 6400

Answer: A

QUESTION 3
You are designing an overlay solution for two Data Centers based on the Aruba CX platform.
Each Data Center has two rooms and each room is its own fabric. What is the underlay routing protocol run within each room?

A. iBGP
B. eBGP
C. OSPF
D. IS-IS

Answer: C

QUESTION 4
What does a five-nines requirement in a service agreement refer to?

A. Compliance with a particular section of PCI DSS
B. Unplanned downtime less than .001% of the service term
C. Five layers of redundancy in the network design
D. Future-proof solution designed to last five or more years

Answer: B

QUESTION 5
In your design, you have six racks each with a pair of VSX Leaf switches and two Spine switches.
How many P2P leaf-to-spine addresses are there?

A. 12
B. 96

C. 24
D. 48

Answer: D

QUESTION 6
How many SFP28 port-groups do Aruba 8325 CX switches have?

A. 12 port-groups of 4 ports each
B. One port-group of 48 ports
C. 4 port-groups of 8 ports each
D. 4 port-groups of 12 ports

Answer: D

QUESTION 7
In the ToR or middle of the rack cabling design, it is important to know (Select two)

A. The number of fiber strands are pulled to each row
B. The fire regulations
C. The airflow direction
D. The connectors the patch panels use

Answer: AD

QUESTION 8
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

QUESTION 9
Mention two disadvantages of the End-of-Row or Middle-of-Row switches in Data Center design

A. More equipment
B. Higher latency for rack-to-rack traffic within the row
C. Longer, more complex cabling within the row
D. Lower port density and less scalable

Answer: CD

QUESTION 10
You are involved in a 2-Tier L2 Data Center Design with the following details:

```
- CX 8325 100G Core Switches
- CX 10000 48-P 25G Access Switches
- 100G SR4 Optical connections between Core and Access
```

In this design, both the Core Layer and Access Layer consist of pairs of switches configured in VSX for HA. Core Switches = VSX Pairs of CX 8325 32-port 100G switches (B-F airflow) Each pair uses:

```
- 2 x 100G QSFP28 1M DACs for ISL
- 1 x 100G QSFP28 1M DAC for Keepalive
- 2 x 100G QSFP28 SR4 Optic to each access switch
```

Each Core switch has 13 available 100G QSFP28 interfaces.
What is the maximum number of racks supported by this design?

A. Solution can scale to 7 total racks using the same subscription rates.
B. Solution can scale to 14 total racks using the same subscription rates.
C. Solution can scale to 8 total racks using varying subscription rates.
D. Solution can scale to 16 total racks using the same subscription rates.

Answer: A

QUESTION 11
PVLAN (Private VLAN) defines three types of VLANs under the same SVI

A. Primary VLAN, Isolated VLAN and Customer VLAN
B. Secondary VLAN, Isolated VLAN and Provider VLAN
C. Primary VLAN, Isolated VLAN and Community VLAN
D. Provider VLAN Service VLAN and QinQ VLAN

Answer: C

QUESTION 12
In MMF OM3 fiber type and SFP28 LC SR transceiver option. What is the maximum distance supported by this setup?

A. Up to 50 meters
B. Up to 70 meters
C. Up to 500 meters
D. Up to 700 meters

Answer: B

QUESTION 13
Mention two advantages of the ToR switches in Data Center Design

A. Less unused ports on the switches
B. Possibly less expensive
C. Less cable sprawl
D. Better issue isolation

Answer: CD

QUESTION 14
In defining availability requirements for applications and services, the applications that directly impact health and safety are called

A. Mission-Critical Applications
B. Team-Critical Applications
C. Business-Critical Applications
D. Life-Critical Applications

Answer: D

QUESTION 15
You have a customer using Spine and Leaf design with two 8325 32-port 100G QSFP28 (F-B airflow) Spine Switches. What is the maximum number of racks supported if each Rack has two 8360 VSX stacked leaf switches and each spine uses 2 x 100G QSFP28 DACs to each Leaf switch?

A. Up to 16 total racks using different subscription rates
B. Up to 4 total racks using the same subscription rates
C. Up to 4 total racks using different subscription rates
D. Up to 8 total racks using the same subscription rates

Answer: D

QUESTION 16
In a Spine and Leaf Design with the following specs:

```
- 8400 100G Spine Switches
- 8360 48-P 10G RJ45 Leaf Switches
- 100G DAC connections between Spine and Leafs
```

Spine Switches = 8400 with 12 QSFP28 ports (F-B airflow)
Each Spine Switch uses:

```
- 1 x 100G QSFP28 5M DACs to each Leaf switch
```

Each Leaf Switch uses:

```
- 1 x 100G QSFP28 5M DACs to each Spine switch
- 2 x 100G 1M DAC for ISL
- 1 x 10G RJ45 for Keep alive
```

Each Spine switch can support up to 48 available 100G QSFP28 interfaces.
What is the scalability for this solution?

A. Solution can scale to 24 total racks using the same subscription rates.
B. Solution can scale to 6 total racks using the same subscription rates.
C. Solution can scale to 12 total racks using the same subscription rates.

D. Solution can scale to 48 total racks using the same subscription rates.

Answer: A

QUESTION 17
In L3 spine and leaf design

A. Spanning Tree is always needed since Spine and Leaf is only there to improve performance
B. You need to use TRILL to prevent loops
C. You don't need to use spanning tree for loop prevention
D. Since all Spine switches are connected to each other, EVPN is needed in this design

Answer: C

QUESTION 18
What Fiber Optic standard supports up to 400 Gbps

A. No standard supports that bandwidth
B. QSFP+
C. QSFP28
D. QSFP-DD

Answer: D

QUESTION 19
Name some Post-installation handover tasks

A. Ensure new spares have replaced old spares
B. List of Engineers involved in the project
C. Number of employees that will benefit from the solution
D. Schedule training

Answer: AD

QUESTION 20
What is true about clients located in isolated VLAN?

A. By default, The switch allows ARP traffic between clients in isolated VLAN
B. Endpoints in an isolated VLAN are not allowed to communicate with each other
C. Isolated VLAN is always a member of Service VLAN
D. Isolated VLAN is a VLAN in QinQ

Answer: B

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