Exam Code: HPE7-A04

Exam Name: Aruba Certified Data Center Architect

Vdumps

Exam A

QUESTION 1
Which of the following CX switches support VSF stacking technology?

A. 6200

B. 8100

C. 6400

D. 6100

Correct Answer: A
Section:

QUESTION 2
What is the maximum distance supported by Active Optical Cables (AOC)?

A. 7 meters

B. 50 meters

C. 15 meters

D. 30 meters

Correct Answer: B
Section:

QUESTION 3
You have a data center with 99.9% availability requirements. How many hours of downtime (unplanned) is allowed to meet this availability requirement?

A. 6.8 hours

B. 3.4 hours

C. 8.6 hours

D. 8.8 hours

Correct Answer: D
Section:

QUESTION 4
In a multi-tenant Data Center:

A. VRF offers Layer 3 isolation for the tenants

B. MSTP offers Layer 2 isolation along with loop prevention

C. VRF offers Layer 2 isolation for the tenants

D. VLANs offer Layer 3 isolation for the tenants

Correct Answer: A

Section:

QUESTION 5
You have VSX Pairs of CX 10000 48-Port 25G SFP28 Switches (Front/Port to Back/Power airflow) with 2 DACs for ISL. What is the maximum interface speed for each DAC connection?

A. 10
B. 50
C. 25
D. 100G DAC

Correct Answer: D
Section:

QUESTION 6
In Aruba CX 10000 switches, how many SFP28 port-groups are there?

A. Twelve port-groups with four ports each
B. Four port-groups with twelve ports each
C. No port-groups
D. One port-group that has all the ports

Correct Answer: A
Section:

QUESTION 7
What are two advantages of Campus Attached DC?

A. Reduced failure domain
B. Low latency for workloads between DC and Campus
C. Highly Scalable
D. Simple and easy to manage

Correct Answer: B, D
Section:

QUESTION 8
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).

Correct Answer: A
Section:

QUESTION 9

ERPS (Ethernet Ring Protection Switching):

A. Is not supported on CX 6400 switch series
B. Prevents broadcast storms and implements fast-traffic switchover on a network where there are loops
C. Does not prevent broadcast storms but implements fast-traffic switchover on a network where there are loops
D. Is not supported on CX 8400 switch series

Correct Answer: B
Section:

QUESTION 10
You are designing overlay solutions 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 routing protocol used for EVPN advertisement within each room?

A. OSPF
B. iBGP
C. eBGP
D. EIGRP

Correct Answer: B
Section:

QUESTION 11
Choose the most suitable technology for the DCI (Data Center Interconnect) when Data Centers are geographically not in the same building:

A. VSX
B. ERPS + VRRP
C. STP
D. VSF

Correct Answer: B
Section:

QUESTION 12
When Data Centers are in the same campus, a simple solution could be a VSX LAG between pairs of VSX switches that allows the extension of L2 domains:

A. True
B. False

Correct Answer: A
Section:

QUESTION 13
What can be used to encrypt data in flight between untrusted locations?

A. OSPF authentication
B. MACSec

C. GRE tunnels

D. MD5 encryption

Correct Answer: B
Section:

QUESTION 14
Which CX switch model supports ERPS/VSX DCI?

A. 5130

B. 8100

C. 8325

D. 2930F

Correct Answer: C
Section:

QUESTION 15
What resiliency technologies relate to Default Gateway redundancy requirement on CX switches?

A. VRRP

B. CVLAN

C. Transit VLAN

D. VSX Active Gateway

E. HSRP

Correct Answer: A, D
Section:

QUESTION 16
In Aruba CX 8325 switches, what is true about port-groups?

A. Can have transceivers that operate at 100 Gbps

B. Each port-group can have different speed transceivers

C. All port-groups transceivers need to be of the same speed

D. Must have the same speed transceivers within a port-group

Correct Answer: D
Section:

QUESTION 17
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

Correct Answer: B, C
Section:

QUESTION 18
What is a rule of thumb for oversubscription ratio on the ToR switches for a two-tier network design?

A. 12:1-14:1
B. 1:1-2:1
C. 6:1-10:1
D. 3:1-5:1

Correct Answer: D
Section:

QUESTION 19
You are designing overlay solutions for two Data Centers. Each Data Center has two rooms and each room is its own fabric. What is the underlay routing protocol between each data center room?

A. iBGP
B. RIP
C. OSPF
D. eBGP

Correct Answer: D
Section:

QUESTION 20
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

Correct Answer: D, E
Section:

QUESTION 21
You are designing overlay solutions for two Data Centers. Each Data Center has two rooms and each room is its own fabric. What is the underlay routing protocol between each data center room?

A. iBGP
B. RIP
C. OSPF
D. eBGP

Correct Answer: D
Section:

QUESTION 22

In identifying the business and technical requirements in Data Center design, which of the below is a business requirement?

A. REST API integration

B. Using Aruba Central as a Centralized Management tool

C. Improving the performance of an application to make users happy

D. Improve oversubscription ratio to 3:1 Certainly! Here are the questions formatted as requested:

Correct Answer: C
Section:

QUESTION 23

When collecting information about the Power in your Data Center design you need to take into account (Select two)

A. The fiber strands that are needed to support the TOR switches

B. The direction of the airflow

C. The type of the voltage DC or AC

D. What voltage is used

Correct Answer: C, D
Section:

QUESTION 24

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

Correct Answer: C
Section:

QUESTION 25

Which switch model is able to perform microsegmentation?

A. CX 10000

B. CX 8325

C. CX 8400

D. CX 8360

E. CX 6400

Correct Answer: A
Section:

QUESTION 26

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

Correct Answer: C
Section:

QUESTION 27
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

Correct Answer: B
Section:

QUESTION 28
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

Correct Answer: D
Section:

QUESTION 29
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

Correct Answer: D
Section:

QUESTION 30
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

Correct Answer: A, D
Section:

QUESTION 31
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

Correct Answer: C
Section:

QUESTION 32
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

Correct Answer: C, D
Section:

QUESTION 33
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.

Correct Answer: A
Section:

QUESTION 34
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

Correct Answer: C
Section:

QUESTION 35
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

Correct Answer: B
Section:

QUESTION 36
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

Correct Answer: C, D
Section:

QUESTION 37
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

Correct Answer: D
Section:

QUESTION 38
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

Correct Answer: D
Section:

QUESTION 39
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.

Correct Answer: A
Section:

QUESTION 40
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

Correct Answer: C
Section:

QUESTION 41
What Fiber Optic standard supports up to 400 Gbps?

A. No standard supports that bandwidth

B. QSFP+

C. QSFP28

D. QSFP-DD

Correct Answer: D
Section:

QUESTION 42
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

Correct Answer: A, D
Section:

QUESTION 43
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

Correct Answer: B
Section:

QUESTION 44
Which stacking technology is a dual control plane stacking that is supported by CX switches?

A. Back Plane Stacking
B. IRF
C. Front Plane Stacking
D. VSX

Correct Answer: D
Section:

QUESTION 45
HPE Aruba Networking switch selector is accessible from:

A. Intangi IRIS design tool
B. Aruba Support Portal
C. HPE PSNow tools
D. From NetEdit management tool

Correct Answer: A, C
Section: