Implementing Cisco SD-WAN Solutions (ENSDWI)

1. Which component of the Cisco SD-WAN architecture oversees the control plane of overlay network to establish, adjust, and maintain the connections between the
WAN Edge devices that form the Cisco SD-WAN fabric?

A. APIC-EM

B. vSmart

C. vManage

D. vBond

Answer(s): B

2. Which two hardware platforms support Cisco IOS XE SD-WAN images? (Choose two.)

☐ A. ISR4000 series

☐ B. ISR9300 series

☐ C. vEdge-1000 series

☐ D. ASR9000 series

☐ E. ASR1000 series

Answer(s): A E

3. What is a default protocol for control plane connection?

A. HTTPS

B. TLS

C. IPsec

D. DTLS

Answer(s): D

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4. DRAG DROP (Drag and Drop is not supported)

Drag and drop the devices from the left onto the correct functions on the right.

Select and Place:

vSmart		establishes a secured data plane
vManage		first point of authentication
vEdge		single pane of glass
vBond		enforces control policies

A. See Explanation section for answer.

Answer(s): A

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5. Which component of the Cisco SD-WAN control plane architecture should be located in a public Internet address space and facilitates NAT-traversal?

A. WAN Edge

B. vSmart

C. vBond

D. vManage

Answer(s): C

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6. Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

A. ISR 1101

B. ASR 1001

C. CSR 1000v

D. vEdge 2000

Answer(s): A

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7. Refer to the exhibit. What does the BFD value of 8 represent?

Hostname	State	System IP	Reachability	Site ID	Device Model	BFD	Control
✕ BR1-VEDGE1	✓	10.3.0.1	reachable	300	vEdge Cloud	8	5

A. dead timer of BFD session

B. poll-interval of BFD session

C. hello timer of BFD session

D. number of BFD sessions

Answer(s): D

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8. A network administrator is bringing up one WAN Edge router for branch connectivity. Which types of tunnels form when the WAN edge router connects to the
Cisco SD-WAN fabric?

A. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with vBond controller

B. DTLS or TLS tunnel with vBond controller and IPsec tunnel with vManage controller

C. DTLS or TLS tunnel with vBond controller and IPsec tunnel with other WAN Edge routers

D. DTLS or TLS tunnel with vSmart controller and IPsec tunnel with other WAN Edge routers

Answer(s): D

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9. If Smart Account Sync is not used, which Cisco SD-WAN component is used to upload an authorized serial number file?

A. WAN Edge

B. vSmart

C. vBond

D. vManage

Answer(s): D

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10. Which port is used for vBond under controller certificates if no alternate port is configured?

A. 12344

B. 12345

C. 12347

D. 12346

Answer(s): D

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11. In the Cisco SD-WAN solution, vSmart controller is responsible for which two actions? (Choose two.)

☐ A. Authenticate and authorize WAN Edge routers.

☐ B. Configure and monitor WAN Edge routers.

☐ C. Distribute route and policy information via OMP.

☐ D. Distribute the IP address from DHCP server to WAN Edge routers.

☐ E. Distribute crypto key information among WAN Edge routers.

Answer(s): C E

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12. When a WAN Edge device joins the Cisco SD-WAN overlay, which Cisco SD-WAN component orchestrates the connection between the WAN Edge device and a vSmart controller?

A. vManage

B. vBond

C. OMP

D. APIC-EM

Answer(s): B

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13. In an AWS cloud, which feature provisions WAN Edge routers automatically in Cisco SD-WAN?

A. Cloud OnRamp

B. Cloud app

C. vAnalytics

D. Network Designer

Answer(s): A

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14. A large retail organization decided to move some of the branch applications to the AWS cloud. How does the network architect extend the in-house Cisco SD-
WAN branch to cloud network into AWS?

A. Create virtual instances of vSmart Cloud through the AWS online software store

B. Create GRE tunnels to AWS from each branch over the Internet

C. Install the AWS Cloud Router in the main data center and provide the connectivity from each branch

D. Create virtual WAN Edge devices Cloud through the AWS online software store

Answer(s): D

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15. Which two products are used to deploy Cisco WAN Edge Router virtual platforms? (Choose two.)

☐ A. Sun Enterprise M4000 Server running Sun Solaris

☐ B. Sun SPARC Node running AIX

☐ C. Cisco UCS

☐ D. HP ProLiant DL380 Generation 10 running HP-UX

☐ E. Cisco ENCS 5000 Series

Answer(s): C E

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16. A bank is looking for improved customer experience for applications and reduce overhead related to compliance and security. Which key feature or features of the
Cisco SD-WAN solution will help the bank to achieve their goals?

A. Integration with PaaS providers to offer the best possible application experience

B. QoS including application prioritization and meeting critical applications SLA for selecting optimal path

C. Implementation of BGP across the enterprise routing for selecting optimal path

D. Implementation of a modern age core banking system

Answer(s): B

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17. Which two prerequisites must be met before the Cloud onRamp for IaaS is initiated on vManage to expand to the AWS cloud? (Choose two.)

☐ A. Attach an OSPF feature template to the AWS cloud Edge router template.

☐ B. Attach the "AmazonCreateVPC" and "AmazonProvisionEC2" permission policy to the IAM account.

☐ C. Subscribe to the SD-WAN Edge router AMI in the AWS account.

☐ D. Attach a device template to the cloud WAN Edge router to be deployed in the AWS.

☐ E. Preprovision the transit VPC in the AWS region.

Answer(s): C D

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18. In a Cisco SD-WAN network, which component is responsible for distributing route and policy information via the OMP?

A. vManage

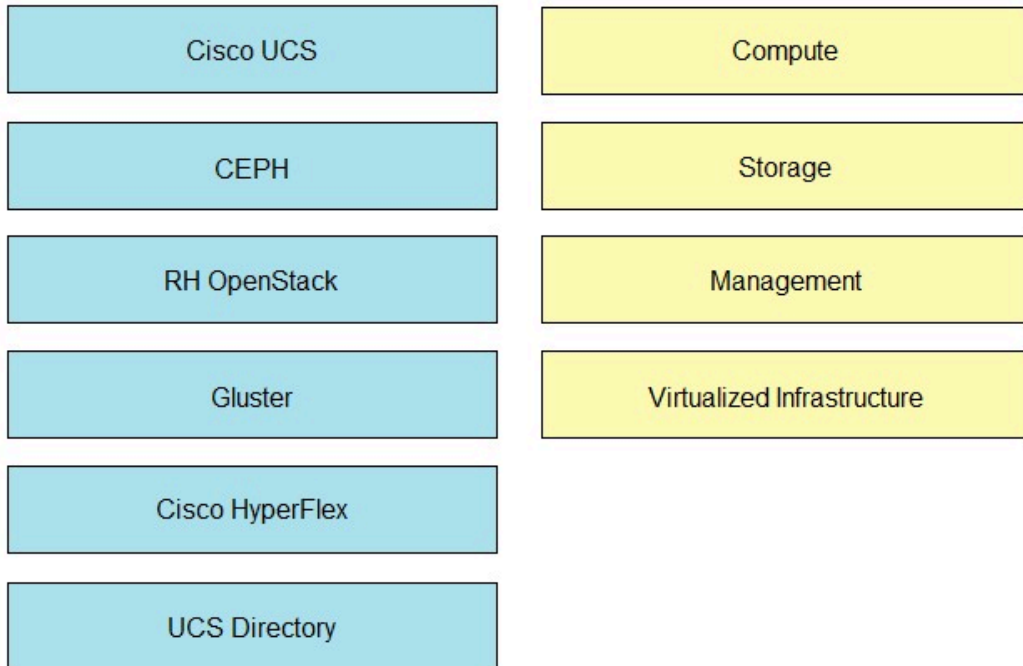B. vSmart Controller

C. vBond Orchestrator

D. WAN Edge Router

Answer(s): B

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19. DRAG DROP (Drag and Drop is not supported)
Drag and drop the components from the left onto the corresponding Cisco NFV Infrastructure Building Blocks on the right. Not all options are used.

Select and Place:

Answer Area

Cisco UCS		Compute

CEPH		Storage

RH OpenStack		Management

Gluster		Virtualized Infrastructure

Cisco HyperFlex

UCS Directory

A. See Explanation section for answer.

Answer(s): A

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20. For data plane resiliency, what does the Cisco SD-WAN software implement?

A. multiple vBond orchestrators

B. establishing affinity between vSmart controllers and WAN Edge routers

C. OMP

D. BFD

Answer(s): D