QUESTION 1
In an OSPF network with routers connected together with Ethernet cabling, which topology typically takes the longest to converge?

A. partial mesh
B. full mesh
C. ring
D. squared
E. triangulated

Answer: B

QUESTION 2
Company XYZ is designing the network for IPv6 security and they have these design requirements:
- A switch or router must deny access to traffic from sources with addresses that are correct, but are topologically incorrect
- Devices must block Neighbor Discovery Protocol resolution for destination addresses that are not found in the binding table.
Which two IPv4 security features are recommended for this company? (Choose two)

A. IPv6 DHCP Guard
B. IPv6 Source Guard
C. IPv6 Destination Guard
D. IPv6 Prefix Guard
E. IPv6 RA Guard

Answer: CD

QUESTION 3
Which two impacts of adding the IP event dampening feature to a network design are true? (Choose two.)

A. It protects against routing loops.
B. It switches traffic immediately after a link failure.
C. It speeds up link failure detection.
D. It reduces the utilization of system processing resources.
E. It improves overall network stability.

Answer: DE

QUESTION 4
A small organization of 20 employees is looking to deliver a network design service for modernizing customer networks

to support advanced solutions:
- Project scope and weekly progress should be visualized by the management.
- Always consider feedback and make changes accordingly during the project.
- Should consider flexibility to change scope at the point of time.
Which project methodology meets the requirements and have the least impact on the outcome?

A. Scrum
B. LEAN
C. Kanban
D. Six-Sigma

Answer: C

QUESTION 5
Which technology is an open-source infrastructure automation tool that automates repetitive tasks for users who work in networks such as cloud provisioning and intraservice orchestration?

A. Ansible
B. Contrail
C. Java
D. Jinja2

Answer: A

QUESTION 6
Company XYZ asks for design recommendations for Layer 2 redundancy. The company wants to prioritize fast convergence and resiliency elements in the design.
Which two technologies are recommended? (Choose two.)

A. Design MLAG/MC-LAG into the network wherever possible.
B. Configure DHCP snooping on the switches.
C. Use root guard.
D. Use BPDU guard.
E. Use UniDirectional Link Detection.

Answer: AE

QUESTION 7
A European government passport agency considers upgrading its IT systems to increase performance and workload flexibility in response to constantly changing requirements. The budget manager wants to reduce capital expenses and IT staff and must adopt the lowest-cost technology. Which technology choice is suitable?

A. on premises
B. private cloud
C. public cloud
D. hybrid cloud

Answer: B

QUESTION 8
Company XYZ needs advice in redesigning their legacy Layer 2 infrastructure.
Which technology should be included in the design to minimize or avoid convergence delays due to STP or FHRP and provide a loop-free topology?

A. Use switch clustering in the access layer.
B. Use switch clustering in the core/distribution layer.

C. Use spanning-tree PortFast.
D. Use BFD.

Answer: B

QUESTION 9
Which two control plane policer designs must be considered to achieve high availability? (Choose two.)

A. Control plane policers are enforced in hardware to protect the software path, but they are hardware platform dependent in terms of classification ability.
B. Control plane policers are really needed only on externally facing devices.
C. Control plane policers can cause the network management systems to create false alarms.
D. Control plane policers must be processed before a forwarding decision is made.
E. Control plane policers require that adequate protocols overhead are factored in to allow protocol convergence.

Answer: AD

QUESTION 10
Company XYZ Is running a redundant private WAN network using OSPF as the underlay protocol.
The current design accommodates for redundancy. In the network, but it Is taking over 30 seconds for the network to reconverge upon failure.
Which technique can be Implemented In the design to detect such a failure in a subsecond?

A. STP
B. fate sharing
C. OSPF LFA
D. BFD
E. flex links

Answer: D

QUESTION 11
Company XYZ network runs IPv4 and IPv6 and they want to Introduce a multidomain, multicast- based network.
The new design should use a flavor of PIM that forwards traffic using SPT.
Which technology meets this requirement?

A. PIM-DM
B. PIM-SM
C. PIM-SSM
D. BIDIR-PIM

Answer: C

QUESTION 12
Which three elements help network designers to construct secure systems that protect information and resources (such as devices, communication, and data) from unauthorized access, modification, inspection, or destruction? (Choose three.)

A. confidential
B. serviceability
C. reliability
D. availability
E. integrity
F. scalability

Answer: ADE

QUESTION 13
The Company XYZ network is experiencing attacks against their router.
Which type of Control Plane Protection must be used on the router to protect all control plane IP traffic that is destined directly for one of the router interfaces?

A. Control Plane Protection host subinterface
B. Control Plane Protection main interface
C. Control Plane Protection transit subinterface
D. Control Plane Protection CEF-exception subinterface

Answer: A

QUESTION 14
What is the most important operational driver in building a resilient and secure modular network design?

A. Dependencies on hardware or software that is difficult to scale
B. Minimize app downtime
C. Reduce the frequency of failures requiring human intervention
D. Increase time spent on developing new features

Answer: C

QUESTION 15
Which BGP feature provides fast convergence?

A. BGP PIC |
B. BGP-EVPN
C. BGP FlowSpec
D. BGP-LS

Answer: A

QUESTION 16
An enterprise requires MPLS connected branches to access cloud-based Microsoft 365 services over an SD-WAN solution. Internet access Is available only at dual regional hub sites that are connected to the MPLS network.
Which connectivity method provides an optimum access method to the cloud- based services If one ISP suffers loss or latency?

A. Cloud onRamp gateway site
B. Cloud onRamp SWG
C. Cloud onRamp
D. Cloud onRamp SaaS

Answer: D

QUESTION 17
Refer to the diagram. Which solution must be used to send traffic from the foreign wireless LAN controller to the anchor wireless LAN controller?
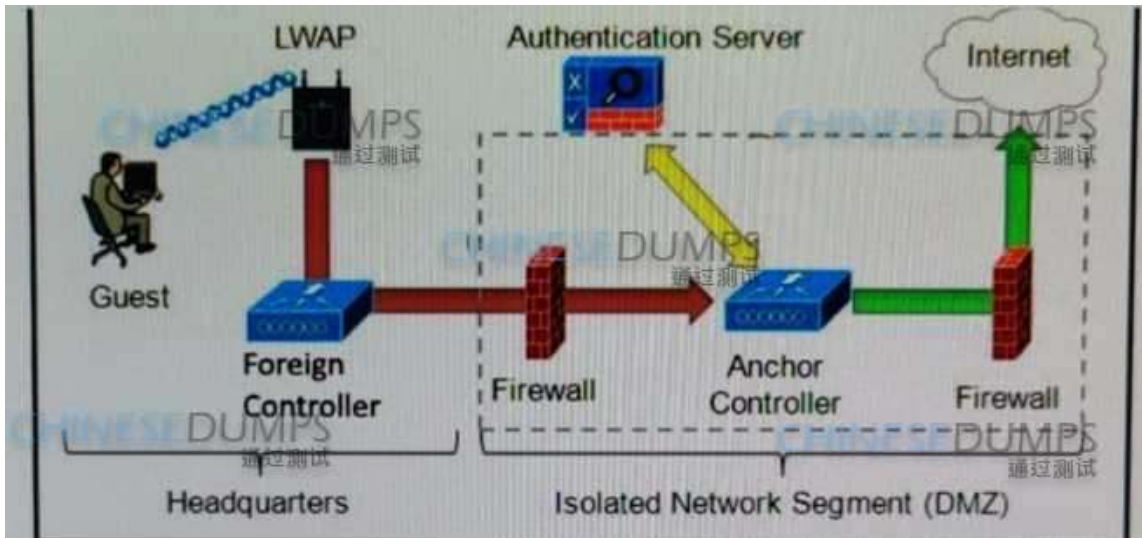
A. Send packets from the foreign controller to the anchor controller via Layer 3 MPLS VPN or VRF-Lite
B. Send packets without encapsulation to the anchor controller over the routed network.
C. Encapsulate packets into an EoIP tunnel and send them to the anchor controller.
D. Send packets from the foreign controller to the anchor controller via IPinIP or IPsec tunnel.

Answer: C

QUESTION 18
Refer to the exhibit. An engineer is designing the network for a multihomed customer running in AS 111 does not have any other Ass connected to it.
Which technology is more comprehensive to use in the design to make sure that the AS is not being used as a transit AS?

A. Configure the AS-set attribute to allow only routes from AS 111 to be propagated to the neighbor ASs.
B. Use the local preference attribute to configure your AS as a non-transit" AS.
C. include an AS path access list to send routes to the neighboring ASs that only have AS 111 in the AS path field.
D. Include a prefix list to only receive routes from neighboring ASs.

Answer: C

QUESTION 19
Organizations that embrace Zero Trust initiatives ranging from business policies to technology infrastructure can reap business and security benefits.

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Which two domains should be covered under Zero Trust initiatives? (Choose two)

A. workload
B. work domain
C. workplace
D. workgroup
E. workspace

Answer: AC

QUESTION 20
Which two types of planning approaches are used to develop business-driven network designs and to facilitate the design decisions? (Choose two)

A. cost optimization approach
B. strategic planning approach
C. modular approach
D. tactical planning approach
E. business optimization approach

Answer: BD