

QUESTION 1

Which three solutions are part of the Borderless Network Services? (Choose three.)

- A. Wireless
- B. Routing
- C. TrustSec
- D. MediaNet
- E. Swicthing
- F. EnergyWise
- G. Next-Gen WAN

Correct Answer: CDF

QUESTION 2

Which option cause deep-packet examination to determine the specific nature of an attack?

- A. Network IPS
- B. Netflow collector
- C. Stateful firewall
- D. Syslog server

Correct Answer: A

QUESTION 3

What is a characteristic of campus core design?

- A. Fast transport
- B. Security
- C. Summarization
- D. Redistribution

Correct Answer: A

QUESTION 4

A company has dark fiber between headquarters and its data center. It is presently configured as a 10GbE connection. Network utilization shows high utilization on the connection. What technology can be implemented to increase capacity without acquiring another circuit?

- A. MPLS

- B. DWDM
- C. VPLS
- D. DMVPN

Correct Answer: B

QUESTION 5

Which two Cisco data center can participate in Cisco FabricPath? (Choose two.)

- A. Cisco Nexus 5500 Series Switches
- B. Cisco Nexus 1000V Series Switches
- C. Cisco Nexus 7000 Series Switches
- D. Cisco Nexus 4900 Series Switches
- E. Cisco MDS 9500 Series Multilayer Directors

Correct Answer: AC

QUESTION 6

An application uses broadcast traffic to send data to IPv4 hosts. How can the application communicate using IPv6?

- A. Anycast
- B. Unicast
- C. Broadcast
- D. Multicast

Correct Answer: D

QUESTION 7

When considering the three VoIP design models - single site, centralized multisite, and distributed multisite - which question would help to eliminate one of the options?

- A. Will the switches be required to provide inline power?
- B. Will users need to make offsite calls, beyond the enterprise?
- C. Will users require applications such as voice mail and interactive voice response?
- D. Are there users whose only enterprise access is via a QoS-enabled WAN?

Correct Answer: D

QUESTION 8

A network engineer is following the Cisco Enterprise Architecture model. To which network layer would a branch office connect to using a private VLAN?

- A. Enterprise Campus
- B. Enterprise Edge
- C. SP Edge Premise
- D. Remote Module

Correct Answer: D

QUESTION 9

Application servers require load balancing and security services. Where in the data center network should these services be provisioned?

- A. Core
- B. Aggregation
- C. Layer 3 access
- D. Distribution

Correct Answer: B

QUESTION 10

A network design engineer is seeking a dynamic routing protocol that supports fast convergence in a Cisco environment.

What protocol allows for this?

- A. EIGRP
- B. OSPF
- C. RIP
- D. BGP
- E. IS-IS

Correct Answer: A

QUESTION 11

Why would an engineer implement variable length subnet masks?

- A. To make a subnet public
- B. To prevent wasting IP addresses
- C. To make a subnet its own VLAN
- D. To expand an existing subnet

Correct Answer: B

QUESTION 12

The red lines refer to STP blocked ports. What happens if the HSRP active moves to the right distribution, and the STP root remains on the left distribution?

- A. The STP root becomes the gateway
- B. The interdistribution link is used for transit
- C. The HSRP standby becomes the gateway
- D. The interaccess link is used for transit
- E. Host traffic is unable to reach the HSRP active

Correct Answer: B

QUESTION 13

In the traditional hierarchical LAN design, Which two statement about the distribution layer are true? (Choose two.)

- A. It typically is connected directly to the internet It provides users direct access to the network
- B. It uses Layer 2 switching only
- C. It aggregates data from the access layer
- D. Policy is implemented at this layer

Correct Answer: D

QUESTION 14

What three design requirements are key to design a Campus Core?

- A. Low latency
- B. Access control
- C. Traffic filtering
- D. High speed
- E. Redundant links
- F. QoS tagging

Correct Answer: ADE

QUESTION 15

When designing the threat detection and mitigation portion for the enterprise data center network, which of the following would be the most appropriate solution to consider?

- A. 802.1x
- B. ACL in the Core layer

- C. Cisco Security MARS
- D. Cisco Firewall Services Module

Correct Answer: C

QUESTION 16

A network engineer has been asked to follow a top down design approach. Which layer of the OSI model is used to start the design?

- A. Physical
- B. Network
- C. Transport
- D. Application

Correct Answer: D

QUESTION 17

Which two design approaches provide management of Enterprise Network devices? (Choose two.)

- A. In-band
- B. Out-of-line
- C. Out-of-band
- D. In-line

Correct Answer: AC

QUESTION 18

Which two design decision can improve network resiliency? (you have to chose 2 answers)

- A. Implement redundant link
- B. Increase data plane bandwidth
- C. Implement serial device connection
- D. Reduce network size
- E. Implement redundant topology

Correct Answer: AB

QUESTION 19

In which phase of PPDIOO are the network requirements identified?

- A. Design

- B. Plan
- C. Prepare
- D. Implement
- E. Operate
- F. Optimize

Correct Answer: B

QUESTION 20

What IPv4 addressing technique is used for proper address planning to reduce the number of entries in a routing table?

- A. Filtering
- B. Tunneling
- C. Summarization
- D. Translation
- E. Supernetting

Correct Answer: C

QUESTION 21

If two routing protocols have the same route and prefix, which effect do they have on the routing table?

- A. Only the route with the lowest administrative distance is added
- B. Only the route with the highest administrative distance is added
- C. Both routes are added
- D. Neither route is added, and a loop is formed

Correct Answer: A

QUESTION 22

Which three are associated with the distribution layer within the campus design? (Choose three.)

- A. Access layer aggregation
- B. Route summarization
- C. Network trust boundary
- D. Next-hop redundancy
- E. Layer-2 switching
- F. Port security

G. Broadcast suppression

Correct Answer: ABD

QUESTION 23

What network virtualization technology can be leveraged within the data center to reduce the number of physical devices?

A. VLANs

B. VPLS

C. VDC

D. VSS

Correct Answer: C

QUESTION 24

What three customer supported details identifies network requirements based on the PPDIIO design model? (Choose three.)

A. Goals

B. Budget

C. User needs

D. Locations

E. Policies

F. Tasks

Correct Answer: ABC

QUESTION 25

DataQuirk is a web-based medical transcription company for exotic-animal veterinarians. The company recently added a third ISP for international business. They are organizing the enterprise network into a fully operational Enterprise Edge.

To which two modules will the three ISPs be directly related? (Choose two.)

A. PSTN

B. E-Commerce

C. WAN/MAN

D. Edge Distribution

E. Internet Connectivity

F. Remote Access VPN

Correct Answer: BE

QUESTION 26

Which two methods are used to reduce the mesh links required between iBGP peers in the same AS? (Choose two.)

- A. Community
- B. Router reflectors
- C. Local preferences
- D. Confederations
- E. Atomic Aggregate
- F. MED

Correct Answer: BD

QUESTION 27

Which three sources does a network designer use to collect information for characterizing an existing network? (Choose three.)

- A. Staff input
- B. Visual inventory
- C. Network audit
- D. Traffic analysis
- E. Server statistics

Correct Answer: ACD

QUESTION 28

Which command is correct for creating a virtual interface on Cisco wireless controller?

- A. config create interface
- B. tag interface
- C. config interface address
- D. untag interface

Correct Answer: C

QUESTION 29

Which statement describes an advantage of the Layer 2 access model over the Layer 3 access model in the data center?

- A. It enables NIC teaming

- B. It removes STP dependency
- C. It increases scalability
- D. It decreases convergence

Correct Answer: A

QUESTION 30

What two configurations are Cisco recommended best practices for user access interfaces? (Choose two.)

- A. VTP transparent mode
- B. BPDU guard
- C. Root Guard
- D. Portfast
- E. Trunk mode

Correct Answer: BD