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- D. aggregation layer
- E. network layer
- F. Internet layer

Correct Answer: ABC

QUESTION 71

Which type of area should you use in an enterprise OSPF deployment if you want to prevent propagation of type 5 LSAs but still allow the redistribution of external routes?

- A. stub
- B. totally stubby
- C. backbone
- D. NSSA
- E. virtual link

Correct Answer: D

QUESTION 72

Which scenario is the best example of a single-homed connected infrastructure?

- A. a data center that is connected to one service provider over an MPLS circuit and another service provider over an Ethernet connection.
- B. a remote office that is connected to the WAN using a DSL provider and a cable provider.
- C. a small office that uses a DSL link to connect to the WAN.
- D. to corporate office that uses two separate routers to connect to two different service providers.

Correct Answer: C

QUESTION 73

Which two connector actions are important when designing the core layer?

- A. port security
- B. PoE
- C. Access list requirements
- D. low latency
- E. redundancy

Correct Answer: DE

QUESTION 74

A company would like to distribute a VM hosting cluster between three data centers with the capability to move VMs between sites. The connectivity between data centers is IP only, and the new design should use the existing WAN. Which Layer 2 tunneling technology should be used?

- A. VPLS
- B. L2TPv3

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- C. OTV
- D. AToM

Correct Answer: C

QUESTION 75

An engineer wants to ensure that the Spanning Tree topology appears loop free while redundant switches are present. Which Layer 2 technology must be used?

- A. VPC
- B. PaGP
- C. LACP
- D. OTV

Correct Answer: C

QUESTION 76

What access policies to set up for remote VPN access? (Choose three)

- A. Admins are centrally authenticated with full network access
- B. Partners are centrally authenticated with access limited by use of ACLs
- C. Employees are centrally authenticated with access limited by use of ACLs
- D. Admins are locally authenticated with full network access
- E. Partners are centrally authenticated with full access
- F. Employees are centrally authenticated with full access

Correct Answer: ABC

QUESTION 77

A network engineer must collect application-level information passing through a router. What two tools can provide this information? (Choose two.)

- A. NBAR
- B. CiscoWorks
- C. SNMP collector
- D. NetFlow collector
- E. Syslog

Correct Answer: AD

QUESTION 78

A network engineer is tasked with summarizing the routes to a remote site. What is the optimal route statement to connect to the 192.168.101.0/24 and 192.168.102.0/24 networks across the corporate WAN?

- A. ip route 192.168.100.0 255.255.254.0
- B. ip route 192.168.100.0 255.255.252.0
- C. ip route 192.168.100.0 255.255.255.0

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D. ip route 192.168.101.0 255.255.254.0

Correct Answer: B

QUESTION 79

What three design best practices are key functions of the distribution layer? (Choose three.)

- A. fault domain isolation
- B. admission control
- C. access switch aggregation
- D. QoS tagging
- E. address summarization
- F. end user and application isolation

Correct Answer: ACE

QUESTION 80

Which statement describes the recommended deployment of DNS and DHCP servers in the Cisco Network Architecture for the Enterprise?

- A. Place the DHCP and DNS servers in the enterprise campus access layer and enterprise branch.
- B. Place the DHCP and DNS servers in the enterprise campus server farm layer and enterprise branch.
- C. Place the DHCP server in the enterprise campus core layer and remote access and VPN module, and place the DNS server in the Internet connectivity module.
- D. Place the DHCP server in the enterprise campus distribution layer, and place the DNS server in the Internet connectivity module.

Correct Answer: B

QUESTION 81

Which two network services should you host on the DMZ? (Choose two)

- A. NFS
- B. WWW
- C. TACACS+
- D. DHCP
- E. FTP

Correct Answer: BE

QUESTION 82

Which option is an advantage of a Layer 3 access model over the traditional Layer 2 access model?

- A. increased neighbor adjacencies
- B. faster convergence
- C. reduced resources on the router
- D. reduced size of routing table

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Correct Answer: B

QUESTION 83

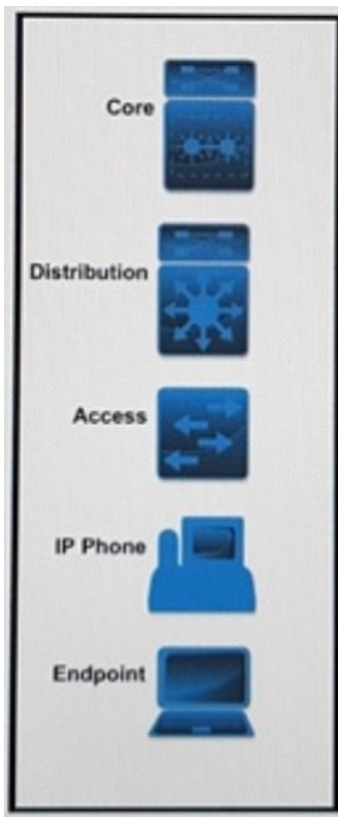
Which two states are RSTP port states? (Choose two.)

- A. discarding
- B. learning
- C. blocking
- D. listening
- E. disabled

Correct Answer: AB

QUESTION 84

Refer to exhibit. Based on the following output from the access switch, which option is the trust boundry for QoS?



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```
access# show run interface Gi7/48
Building configuration ...

Current configuration : 358 bytes
!
interface GigabitEthernet 7/48
 description Cubicle ID 1-234-5678
 switchport access vlan 200
 switchport mode access
 switchport voice vlan 204
 load-interval 30
 auto qos voip cisco-phone
 spanning-tree portfast
 service-policy input AutoQos-4.0-Cisco-Phone-Input-Policy
 service-policy output AutoQos-4.0-Output-Policy
end

access#
```

- A. IP phone
- B. access
- C. core
- D. endpoint
- E. distribution

Correct Answer: E

QUESTION 85

Which two are types of network virtualization? (Choose two.)

- A. VSS: Virtual Switching System
- B. VRF: virtual routing and forwarding
- C. VCI: virtual channel identifier
- D. VLSM: variable length subnet masking
- E. VM: virtual machine
- F. VMP: Virtual Memory Pool

Correct Answer: AB

Explanation:

Network virtualization encompasses logical isolated network segments that share the same physical infrastructure. Each segment operates independently and is logically separate from the other segments. Each network segment appears with its own privacy, security, independent set of policies, QoS levels, and independent routing paths. Here are some examples of network virtualization technologies:

VLAN: Virtual local-area network
VSAN: Virtual storage-area network
VRF: Virtual routing and forwarding
VPN: Virtual private network
VPC: Virtual Port Channel

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