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Free Questions for 200-301

Shared by Marvin on Apr 10, 2025

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Questions # 1:

Refer to the exhibit.

>

An engineer must configure router R2 so it is elected as the DR on the WAN subnet. Which command sequence must be configured?

A)

>

B)

>

C)

>

D)

>

Options:

A.

Option

B.

Option

C.

Option

D.

Option

Answer

A

Questions # 2:

What does traffic shaping do?

Options:

A.

It modifies the QoS attributes of a packet

B.

It queues excess traffic

C.

It organizes traffic into classes.

D.

It sets QoS attributes within a packet.

Answer

A

Questions # 3:

A packet from a company's branch office is destined to host 172.31.0.1 at headquarters. The sending router has three possible matches in its routing table for the packet prefixes: 172.31.0.0/16, 172.31.0.0/24, and 172.31.0.0/25. How does the router handle the packet?

Options:

A.

It sends the traffic via prefix 172.31.0.0/16

B.

It sends the traffic via the default gateway 0.0.0.0.

C.

It sends the traffic via prefix 172.31.0.0/24

D.

It sends the traffic via prefix 172.31.0.0/25

Answer

D

Questions # 4:

Which command configures the Cisco WLC to prevent a serial session with the WLC CLI from being automatical toggged out?

Options:

A.

config sessions maxsessions 0

B.

config sessions timeout 0

C.

config serial timeout 0

D.

config serial timeout 9600

Answer

B

Questions # 5:

Which command enables HTTP access to the Cisco WLC?

Options:

A.

config network secureweb enable

B.

config certificate generate web admin

C.

config network webmode enable

D.

config network telnet enable



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Answer

C

Questions # 6:

What is the operating mode and role of a backup port on a shared LAN segment in Rapid PVST+?

Options:

A.

forwarding mode and provides the lowest-cost path to the root bridge for each VLAN

B.

learning mode and provides the shortest path toward the root bridge handling traffic away from the LAN

C.

blocking mode and provides an alternate path toward the designated bridge

D.

listening mode and provides an alternate path toward the root bridge



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Answer

C

Questions # 7:

>

Refer to the exhibit. This ACL is configured to allow client access only to HTTP, HTTPS, and DNS services via UDP. The new administrator wants to add TCP access to the DNS service. Which configuration updates the ACL efficiently?

Options:

A.

```
ip access-list extended Services
```

```
35 permit tcp 10.0.0.0 0.255.255.255 host 198.51.100.11 eq domain
```

B.

```
no ip access-list extended Services
```

```
ip access-list extended Services
```

```
30 permit tcp 10.0.0.0 0.255.255.255 host 198.51.100.11 eq domain
```

C.

```
ip access-list extended Services
```

```
permit tcp 10.0.0.0 0.255.255.255 host 198.51.100.11 eq domain
```

D.

```
no ip access-list extended Services
```

```
ip access-list extended Services
```

```
permit udp 10.0.0.0 0.255.255.255 any eq 53
```

```
permit tcp 10.0.0.0 0.255.255.255 host 198.51.100.11 eq domain
```

```
deny ip any any log
```

Answer

A

Questions # 8:

What must be considered for a locally switched FlexConnect AP if the VLANs that are used by the AP and client access are different?

Options:

A.

The APs must be connected to the switch with multiple links in LAG mode

B.

The switch port mode must be set to trunk

C.

The native VLAN must match the management VLAN of the AP

D.

IEEE 802.10 trunking must be disabled on the switch port.

Answer

C

Questions # 9:

>

Refer to the exhibit. With a reference bandwidth of 100 Gb on all routers, which path does router Y use to get to network 192.168.1.0/24?

Options:

A.

router C > D > A > B > F

B.

router C > D > A > F

C.

router E > F

D.

router E > B > F

Answer

A

Questions # 10:

Refer to the exhibit.

>

A packet sourced from 10.10.10.1 is destined for 10.10.8.14. What is the subnet mask of the destination route?

Options:

A.

255.255.254.0

B.

255.255.255.240

C.

255.255.255.248

D.

255.255.255.252

Answer

B

Questions # 11:

Refer to the exhibit.

>

Which prefix did router R1 learn from internal EIGRP?

Options:

A.

192.168.10/24

B.

192.168.3.0/24

C.

192.168.2.0/24

D.

172.16 1.0/24



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Answer

C

Questions # 12:

Refer to the exhibit.

>

What are two conclusions about this configuration? {Choose two.}

Options:

A.

The spanning-tree mode is Rapid PVST+.

B.

This is a root bridge.

C.

The root port is FastEthernet 2/1.



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D.

The designated port is FastEthernet 2/1.

E.

The spanning-tree mode is PVST+.

Answer

A



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Questions # 13:

Drag and drop the WLAN components from the left onto the component details on the right.

>

Options:

Answer

Answer: >

Questions # 14:

Drag and drop the statements about AAA services from the left onto the corresponding AAA services on the right. Not all options are used.

>

Options:

Answer

Answer: >

Explanation

1&6 authentication



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2&4 authorization

Questions # 15:

Refer to the exhibit.

>

Drag and drop the destination IPs from the left onto the paths to reach those destinations on the right.

>

Options:

Answer

Answer: >

Questions # 16:

What is an expected outcome when network management automation is deployed?

Options:

A.

A distributed management plane must be used.

B.

Software upgrades are performed from a central controller

C.

Complexity increases when new device configurations are added

D.

Custom applications are needed to configure network devices

Answer

B

Questions # 17:

Refer to the exhibit.

>

Router R1 resides in OSPF Area 0. After updating the R1 configuration to influence the paths that it will use to direct traffic, an engineer verified that each of the four Gigabit interfaces has the same route to 10.10.0.0/16. Which interface will R1 choose to send traffic to reach the route?

Options:

- A.
GigabitEthernet0/0
- B.
GigabitEthernet0/1
- C.
GigabitEthernet0/2
- D.
GigabitEthernet0/3

Answer

B

Questions # 18:

Refer to the exhibit.

>

An IP subnet must be configured on each router that provides enough addresses for the number of assigned hosts and anticipates no more than 10% growth for now hosts. Which configuration script must be used?

A)

>

B)

>

C)

>

D)

>

Options:

A.

Option A

B.

Option B

C.

Option C

D.

Option D

Answer

C

Questions # 19:

Which two spanning-tree states are bypassed on an interface running PortFast? (Choose two.)

Options:

A.

disabled

B.

listening

C.

forwarding

D.

learning

E.

blocking



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Answer

B, D

Questions # 20:

Refer to the exhibit.

>

The DHCP server and clients are connected to the same switch. What is the next step to complete the DHCP configuration to allow clients on VLAN 1 to receive addresses from the DHCP server?

Options:

A.

Configure the ip dhcp snooping trust command on the interlace that is connected to the DHCP client.

B.

Configure the ip dhcp relay information option command on the interface that is connected to the DHCP client.

C.

Configure the ip dhcp snooping trust command on the interface that is connected to the DHCP server.

D.

Configure the Ip dhcp relay information option command on the interface that is connected to the DHCP server.



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Answer

C

Questions # 21:

Which action is taken by the data plane within a network device?

Options:

A.

forwards traffic to the next hop

B.

constructs a routing table based on a routing protocol

C.

provides CLI access to the network device

D.

looks up an egress interface in the forwarding information base



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Answer

A

Questions # 22:

Refer to the exhibit.

>

Host A sent a data frame destined for host D

>

What does the switch do when it receives the frame from host A?

Options:

A.

It drops the frame from the switch CAM table.

B.

It floods the frame out of all ports except port Fa0/1.

C.

It shuts down the port Fa0/1 and places it in err-disable mode.

D.

It experiences a broadcast storm.

Answer

B

Questions # 23:

Which action implements physical access control as part of the security program of an organization?

Options:

A.

configuring a password for the console port

B.

backing up syslogs at a remote location

C.

configuring enable passwords on network devices

D.

setting up IP cameras to monitor key infrastructure

Answer

A



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Questions # 24:

What provides centralized control of authentication and roaming In an enterprise network?

Options:

A.

a lightweight access point

B.

a firewall

C.

a wireless LAN controller

D.

a LAN switch



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Answer

C

Questions # 25:

Which two components comprise part of a PKI? (Choose two.)

Options:

A.

preshared key that authenticates connections

B.

RSA token

C.

CA that grants certificates

D.

clear-text password that authenticates connections

E.

one or more CRLs



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Answer

B, C

Questions # 26:

Refer to the exhibit.

>

An engineer is configuring the HO router. Which IPv6 address configuration must be applied to the router fa0/1 interface for the router to assign a unique 64-bit IPv6 address to itself?

Options:

A.

ipv6 address 2001:DB8:0:1:C601:42FF:FE0F:7/64

B.

ipv6 address 2001:DB8:0:1:C601:42FE:800F:7/64

C.

ipv6 address 2001 :DB8:0:1:FFFF:C601:420F:7/64

D.

iov6 address 2001 :DB8:0:1:FE80:C601:420F:7/64

Answer

A

Questions # 27:

What causes a port to be placed in the err-disabled state?

Options:

A.

nothing plugged into the port

B.

link flapping

C.

shutdown command issued on the port

D.

latency

Answer

B

Questions # 28:

Refer to the exhibit.

>

Traffic that is flowing over interface TenGigabitEthernet0/0 experiences slow transfer speeds. What is the reason for the issue?

Options:

- A.
heavy traffic congestion
- B.
a duplex incompatibility
- C.
a speed conflict
- D.
queuing drops



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Answer

C

Questions # 29:

Refer to the exhibit.

>

Switch A is newly configured. All VLANs are present in the VLAN database. The IP phone and PC A on Gi0/1 must be configured for the appropriate VLANs to establish connectivity between the PCs. Which command set fulfills the requirement?

A)

>

B)

>

C)

>

D)

>



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Options:

A.

Option A

B.

Option B

C.

Option C

D.

Option D



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Answer

A

Questions # 30:

Which type of IPv6 address is similar to a unicast address but is assigned to multiple devices on the same network at the same time?

Options:

A.

global unicast address

B.

anycast address

C.

multicast address

D.

link-local address



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Answer

B

Questions # 31:

What is the function of the controller in a software-defined network?

Options:

- A.
multicast replication at the hardware level
- B.
fragmenting and reassembling packets
- C.
making routing decisions
- D.
forwarding packets

Answer

C



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