



Vendor: Cisco

Exam Code: 300-165

**Exam Name: Implementing Cisco Data Center Infrastructure
(DCII) v6.0**

Version: Demo

QUESTION 1

Which technology relies on STP as a failsafe mechanism?

- A. vPC
- B. VXLAN
- C. FabricPath
- D. MPLS

Correct Answer: A

QUESTION 2

When configuring OSPF, which two network types will avoid the DR and BDR election process between connected devices? (Choose two)

- A. non-broadcast
- B. multi-access
- C. point-to-multipoint
- D. broadcast
- E. point-to-point

Correct Answer: CE

QUESTION 3

Which two statements are true when implementing fabric binding? (Choose two.)

- A. The MAINFRAME_PKG or the ENTERPRISE_PKG license must be installed on a switch
- B. Cisco fabric Services must be enabled on a switch to distribute configuration information
- C. Activation must be performed globally
- D. Activation must be performed globally on a switch
- E. Activation must be performed on a per-VSAN basis

Correct Answer: AE

Explanation:

https://www.cisco.com/en/US/products/ps5989/products_configuration_guide_chapter09186a00805ecf5c.html

QUESTION 4

When configuring HSRP on IPv6-enabled interfaces, which two commands are required? (Choose two)

- A. SwitchA(config-if)# hsrp version 2
- B. SwitchA(config-if)# hsrp <group-number> ipv6
- C. SwitchA(config-if)# key 6
- D. SwitchA(config-if)# standby 6 preempt
- E. SwitchA(config-if)#priority <level>

Correct Answer: DE

Explanation:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipapp_fhrp/configuration/15-sy/fhp-15-sy-book/ip6-fhrp-hsrp.html#topic_BC3E645261274DE6B46AA7F2A8E70048

QUESTION 5

Refer to the exhibit. Which two descriptions of the switch are true? (Choose two)

```
switch(config)# spanning-tree port type edge
bpdufilter default
switch(config)# interface ethernet 1/1-24
switch(config-if)# spanning-tree bpduguard enable
```

- A. It shuts down any edge port that receives a BPDU.
- B. It shuts down any port that receives a BPDU.
- C. If a port in the range of e1/1-24 receives a BPDU, the port is moved to the errdisable state.
- D. It prevents edge devices from sending or receiving BPDUs globally.
- E. It prevents edge devices from sending or receiving BPDUs on e1/1-24 only.

Correct Answer: BE

QUESTION 6

Refer to Exhibit. Which statement is true about the impact to login requests on a Cisco NX-OS switch that uses this configuration?

```
Switch(config)# login block-for 60 attempts 10 within 180
Switch(config)# login quiet-mode access-class acl
```

- A. Hosts in the ACL are denied after 10 failed login attempts occur within 180 seconds.
- B. Hosts in the ACL are allowed after 10 failed login attempts occur within 180 seconds.
- C. All hosts are denied if 10 failed login attempts from hosts in the ACL occur in 180 seconds.
- D. Hosts outside the ACL are allowed if more than 10 failed login attempts occur.

Correct Answer: D

QUESTION 7

You are configuring OTV between two data centers. On which interfaces should the site VLAN allowed?

- A. the interfaces that connect to the aggregation switches
- B. the OTV overlay interfaces
- C. the interfaces that connect to the join interfaces
- D. the mgmt0 interfaces

Correct Answer: C

Explanation:

https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/overlay-transport-virtualization-otv/white_paper_c11-702185.html

QUESTION 8

Which command allows a Cisco Nexus 7000 Series Switch to receive NTP configuration updates by using Cisco Fabric Services?

- A. N7k (config) # feature ntp
- B. N7k (config) # ntp distribute
- C. N7k <config) # distribute
- D. N7k (config) # ntp master

Correct Answer: B

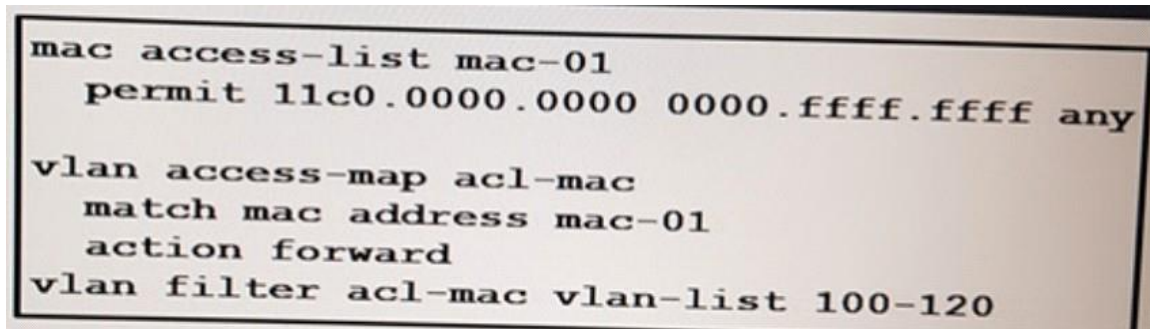
Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_2/nx-os/system_management/configuration/guide/sm_nx_os_cli/sm_3ntp.html

Enables the device to receive NTP configuration updates that are distributed through CFS.

QUESTION 9

Refer to the exhibit. What is the result of the configuration?



```
mac access-list mac-01
  permit 11c0.0000.0000 0000.ffff.ffff any

vlan access-map acl-mac
  match mac address mac-01
  action forward

vlan filter acl-mac vlan-list 100-120
```

- A. A MAC address of 11c0.adaa.3213 is denied.
- B. The MAC ACL is applied to VLANs 10-120.
- C. The MAC ACL denies a MAC address of 1122.2847.4591 on VLAN 101.
- D. A MAC address of 11c0.adaa.3213 is permitted.

Correct Answer: A

QUESTION 10

Which information does the show fcns database command display?

- A. FCID
- B. port name
- C. nWWN
- D. interface

Correct Answer: A

Explanation:

https://www.cisco.com/c/m/en_us/techdoc/dc/reference/cli/n5k/commands/show-fcns-database.html

QUESTION 11

Refer to the exhibit. Which option is the result of the command?

```
N7k(config)# logging logfile LOGFILES
```

- A. A file named LOGFILES is created and is applied to LDCs.
- B. A file named LOGFILES is created with the default logging level.
- C. A file named LOGFILES is created on a remote server.
- D. A file named LOGFILES is created and logs all severity levels.

Correct Answer: D

QUESTION 12

Refer to the exhibit. What does the diameter command specify?

```
switch(config)# spanning-tree mst 0 root primary diameter 5
switch(config)# spanning-tree mst configuration
switch(config-mst)# instance 1 vlan 5-9
switch(config-mst)# name region1
switch(config-mst)# revision 1
switch(config-mst)# show pending
Pending MST configuration
Name [region1]
Revision 1
Instances configured 2
Instance Vlans Mapped
-----
0 1-4,10-4094
1 5-9
-----
```

- A. the maximum number of hops between any two bridges on a network.
- B. the number of VLANs that were removed from the MSTI.
- C. the VLAN that becomes the root of the MSTI
- D. the maximum number of hops between any two MST instances on a network

Correct Answer: D

QUESTION 13

You configure STP on a switch that is attached to a Cisco Fabric Path domain and that has the vPC feature deployed. How do you configure STP on the switch in the Cisco FabricPath domain on VL AN 10?

- switch(config)# spanning-tree vlan 10 priority 4096
switch(config)# spanning-tree pseudo-information
switch(config-pseudo)# vlan 10 root priority 8192
- switch(config)# spanning-tree vlan 10 priority 0
switch(config)# spanning-tree pseudo-information
switch(config-pseudo)# vlan 10 root priority 0
- switch(config)# spanning-tree vlan 10 priority 8192
switch(config)# spanning-tree pseudo-information
switch(config-pseudo)# vlan 10 root priority 4096
- switch(config)# spanning-tree vlan 10 priority 0
switch(config)# spanning-tree pseudo-information
switch(config-pseudo)# vlan 10 root priority 4096

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: D

QUESTION 14

What is the purpose of the resequence command for ACLs?

- A. to rearrange the order of the access lists in the running configuration
- B. to assign new sequence numbers to the rules in an ACL
- C. to refresh ACL programming in ASICs to apply the ACL changes
- D. to rearrange ACL entries

Correct Answer: B

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_1/nx-os/security/configuration/guide/sec_nx-os-cfg/sec_macaccls.pdf

QUESTION 15

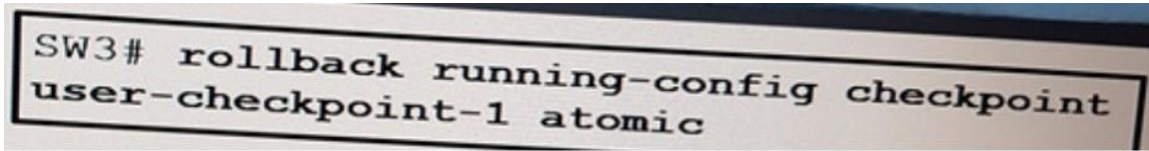
What is the result when the configured RTT of an FCIP link is smaller than the measured RTT?

- A. The minimum available bandwidth for the link must be increased
- B. The link might be oversubscribed.
- C. The TCP sliding window constantly resets
- D. The link might not be fully utilized.

Correct Answer: A

QUESTION 16

Refer to the exhibit. What is the result?



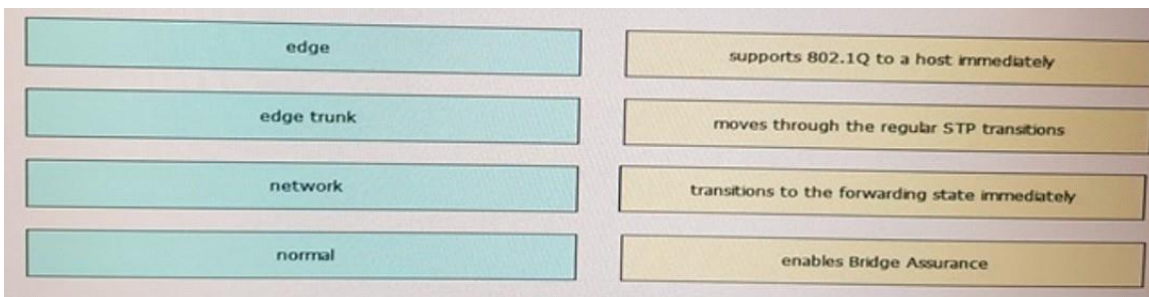
- A. The switch implements a rollback file that is named running-config
- B. The switch implements a rollback and skips any errors
- C. The switch implements a rollback that stops if an error occurs
- D. The switch implements a rollback only if no errors occur

Correct Answer: D

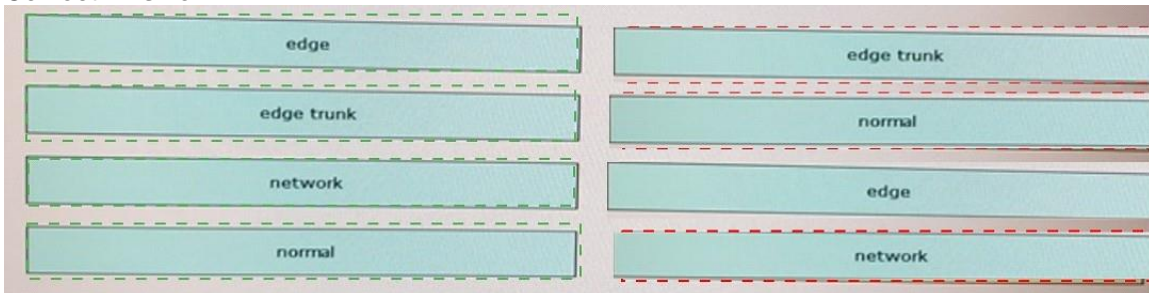
QUESTION 17

DRAG DROP

Drag and drop the types of spanning tree ports from the left onto the correct descriptions on the right.



Correct Answer:



QUESTION 18

DRAG DROP

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

ETR	receives packets from site-facing interfaces
ITR	receives packets from core-facing interfaces
PETR	provides connectivity between non-LISP sites and LISP sites by advertising coarse-aggregate prefixes for the LISP EID namespace into the RLOC namespace and forwarding this non-LISP traffic to LISP sites
PITR	allows IPv6 LISP sites without native IPv6 RLOC connectivity to reach LISP sites that have only IPv6 RLOC connectivity

Correct Answer:

ETR	ITR
ITR	ETR
PETR	PITR
PITR	PETR