Vendor: Cisco

Exam Code:642-813

Exam Name: Implementing Cisco IP Switched Networks

Version: Demo

QUESTION 1

A network engineer must implement Ethernet links that are capable of transporting frames and IP traffic for different broadcast domains that are mutually isolated. Consider that this is a multivendor environment. Which Cisco IOS switching feature can be used to achieve the task?

A. PPP encapsulation with a virtual template

B. Link Aggregation Protocol at the access layer

C. dot1q VLAN trunking

D. Inter-Switch Link

Correct Answer: C

QUESTION 2

A network administrator configures 10 extended VLANs ranging from VLANs 3051 to 3060 in an enterprise network. Which version of VTP supports these extended VLANs?

A. version 1

B. version 2

C. version 3

D. VTP does not recognize extended VLANs.

Correct Answer: C

QUESTION 3

A network engineer is installing a switch for temporary workers to connect to. The engineer does not want this switch participating in Spanning Tree with the rest of the network; however, end user connectivity is still required. Which spanning-tree feature accomplishes this?

A. BPDUblock

B. BPDUfilter

C. BPDUignore

D. BPDUguard

E. BPDUdisable

Correct Answer: B

QUESTION 4

After port security is deployed throughout an enterprise campus, the network team has been overwhelmed with port reset requests. They decide to configure the network to automate the process of re-enabling user ports. Which command accomplishes this task?

A. switch(config)# errdisable recovery interval 180

B. switch(config)# errdisable recovery cause psecure-violation

C. switch(config)# switchport port-security protect

D. switch(config)# switchport port-security aging type inactivity

E. switch(config)# errdisable recovery cause security-violation

Correct Answer: B

QUESTION 5

Which portion of AAA looks at what a user has access to?

A. authorization

B. authentication

C. accounting

D. auditing

Correct Answer: A

QUESTION 6

When SDM templates are configured, which action must be performed for the configuration to take effect?

A. reload

B. shutdown

C. write memory

D. backup config

Correct Answer: A

QUESTION 7

After UDLD is implemented, a Network Administrator noticed that one port stops receiving UDLD packets. This port continues to reestablish until after eight failed retries. The port then transitions into the errdisable state. Which option describes what causes the port to go into the errdisable state?

A. Normal UDLD operations that prevent traffic loops.

B. UDLD port is configured in aggressive mode.

C. UDLD is enabled globally.

D. UDLD timers are inconsistent.

Correct Answer: B

QUESTION 8

Which command creates a login authentication method named "login" that will primarily use RADIUS and fail over to the local user database?

A. (config)# aaa authentication login default radius local

B. (config)# aaa authentication login login radius local

C. (config)# aaa authentication login default local radius

D. (config)# aaa authentication login radius local

Correct Answer: B

QUESTION 9

While working in the core network building, a technician accidently bumps the fiber connection between two core switches and damages one of the pairs of fiber. As designed, the link was placed into a non-forwarding state due to a fault with UDLD. After the damaged cable was replaced, the link did not recover. What solution allows the network switch to automatically recover from such an issue?

A. macros

B. errdisable autorecovery

C. IP Event Dampening

D. command aliases

E. Bidirectional Forwarding Detection

Correct Answer: B

QUESTION 10

The network manager has requested that several new VLANs (VLAN 10, 20, and 30) are allowed to traverse the switch trunk interface. After the command switchport trunk allowed vlan 10,20,30 is issued, all other existing VLANs no longer pass traffic over the trunk. What is the root cause of the problem?

A. The command effectively removed all other working VLANs and replaced them with the new VLANs.

B. VTP pruning removed all unused VLANs.

C. ISL was unable to encapsulate more than the already permitted VLANs across the trunk.

D. Allowing additional VLANs across the trunk introduced a loop in the network.

Correct Answer: A

QUESTION 11

Which statement is true about RSTP topology changes?

A. Any change in the state of the port generates a TC BPDU.

B. Only nonedge ports moving to the forwarding state generate a TC BPDU.

C. If either an edge port or a nonedge port moves to a block state, then a TC BPDU is generated.

D. Only edge ports moving to the blocking state generate a TC BPDU.

E. Any loss of connectivity generates a TC BPDU.

Correct Answer: B

QUESTION 12

Refer to the exhibit.
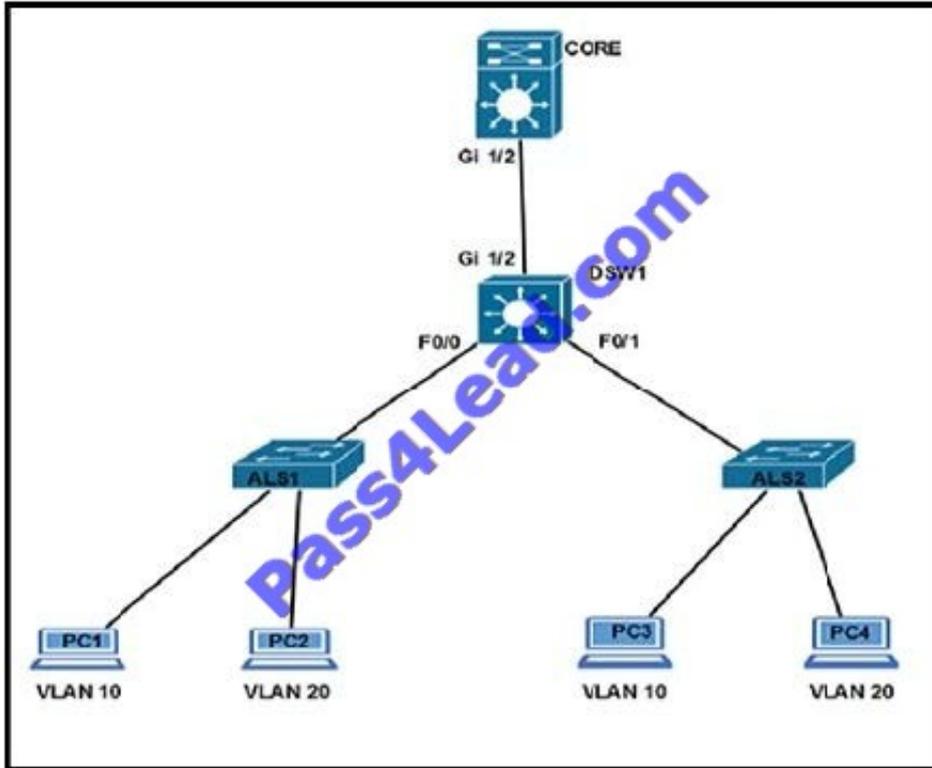
Which configuration ensures that the Cisco Discovery Protocol packet update frequency sent from DSW1 to ALS1 is half of the default value?

A. DSW1(config)#cdp timer 90

B. DSW1(config-if)#cdp holdtime 60

C. DSW1(config)#cdp timer 30

D. DSW1(config)#cdp holdtime 90

E. DSW1(config-if)#cdp holdtime 30

F. DSW1(config-if)#cdp timer 60

Correct Answer: C

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