Cisco 642-067

Advanced Routing and Switching for Field Engineers

Practice Test

Version: 13.30

QUESTION NO: 1

As a Network Engineer in an international corporation, you are familiar with the Cisco products, services and solutions. Which of the following statement describes one of the characteristics of the Cisco Validated Design (CVD) architectural selling approach?

A. This approach does not support verticalization although it is aligned to partner programs.
B. This approach integrates solutions by combining technologies that are aligned to customer buying patterns.
C. This approach is not aligned to partner programs although it supports verticalization.
D. This approach separates technologies on the basis of customer buying patterns.

Answer: B
Explanation:

QUESTION NO: 2

In MPLS networks, what is the benefit of disabling TTL propagation?

A. To provide a visible extension of MPLS TTL functionality in a non-MPLS-enabled domain
B. To improve the IGP convergence time
C. To hide visibility to the core (provider) routers in the MPLS network
D. To provide a visible extension of IP TTL functionality in an MPLS-enabled domain

Answer: C
Explanation:

QUESTION NO: 3

HSRP, known as Hot Standby Router Protocol, is a Cisco proprietary redundancy protocol. As an experienced network administrator, you are required to configure HSRP on a Pass4sure network. Which TWO of the following will be available and shared between the routers configured with HSRP? (Choose two.)

A. a shared single interface
B. the ability to track serial interfaces
C. UDP-based hello packets
D. the impact of flapping links if timers are too low

Answer: B,D

Explanation:

QUESTION NO: 4

You have just configured HSRP group 10 in your network. Which MAC address will your default gateway use?

A. 0000.5E00.010a
B. 0000.0c07.ac0a
C. 0000.0c07.0110
D. 000.0cac.070a

Answer: B
Explanation:

QUESTION NO: 5

As there are several logging modes, which mode will a Pass4sure router use when it stores log messages in Random Access Memory?

A. syslog logging
B. console logging
C. buffered logging
D. terminal logging

Answer: C
Explanation:

QUESTION NO: 6

On a Cisco Catalyst 4500 Series, the fail LED is lit for one if its two power supplies. Which command would you use to check on this problem?

A. Show module
B. Show errdisable detect
C. Show environment
D. Show diagnostic content

Answer: C

Explanation:

QUESTION NO: 7

Which description is making sense on the basis of the given information?

```
router bgp 65000
bgp log-neighbor-changes
neighbor 10.11.1.187 remote-as 65001
neighbor 10.11.1.187 update-source Loopback 0
bgp graceful-restart
```

A. BGP NSF awareness is enabled
B. 10.11.1.187 is configured as an NSF-capable BGP neighbor
C. BGP graceful restart awareness is enabled
D. SSO for BGP NSF capability is enabled

Answer: A
Explanation:

QUESTION NO: 8

When HSRP is configured on a network, which two of these items are provided, which are shared between the routers that run HSRP? (Choose two.)

A. Shared single interface
B. IP Address
C. TCP-based hello packets
D. MAC address

Answer: B,D
Explanation:

QUESTION NO: 9

As an experienced technician, you are responsible for Technical Support in your company. One of the trainees is asking you how to implement RIP routing contexts in MPLS VPN. How to respond?

A. Routing contexts are implemented in a single routing process.
B. Routing contexts are implemented using multiple routing processes.
C. Routing contexts are implemented as a single instance of several routing processes.
D. Routing contexts are implemented as several instances of a single routing process.

Answer: D
Explanation:

QUESTION NO: 10

When EIGRP is used as the PE-CE routing protocol which of these statements is correct?

A. EIGRP can be used only as the PE-CE routing protocol if the PE and CE routers are in the same AS
B. Other EIGRP AS routes are automatically advertised to the CE router and do not require a redistribution configuration command to be configured
C. Unlike other routing protocols that are used between PE and CE routers, EIGRP supports backdoor links
D. Configure of the VPN is only required on the PE router

Answer: D
Explanation:

QUESTION NO: 11

As an experienced Network Engineer, you are required to implement the security architecture assessment. Which of the following statement describes the most important reason for that?

A. Create a design specification document.
B. Integrate routing and switching components.
C. Document power and UPS availability
D. Document the customer's current and future technology projects.

Answer: B
Explanation:

QUESTION NO: 12

What is the function of the no switchport catalyst switch interface configuration command?

A. Disables the interfaces to prevent traffic flow
B. Clears all the configurations on the interface
C. Switches the port from access mode to trunk mode
D. Converts the port from physical Layer 2 port to physical Layer 3 port

Answer: D
Explanation:

QUESTION NO: 13

Refer to the following architectures, which one is able to supply a core infrastructure so that customers can capitalize quickly with the change of business requirements?

A. Branch
B. Campus
C. Teleworker
D. Data center

Answer: B
Explanation:

QUESTION NO: 14

When implementing MPLS VPNs between CE and PE routers, which of these statements is correct?

A. If using OSPF or EIGRP as the PE-CE routing protocol, redistribution is not required, but any other protocol or static route will require redistribution
B. If using IS-IS as the PE-CE routing protocol, no redistribution is required
C. If using static routes between the CE and PE routers, no redistribution of other VPN routes is required
D. If PE-CE protocol is not BGP, redistribution of other VPN routes from MP-BGP is required

Answer: D
Explanation:

QUESTION NO: 15

You work as a network administrator in your company. Communication inside the company is

ensured by network environments, such as GET VPN, Dynamic Multipoint VPN and Ethernet. Which PIN architecture is applicable in those environments?

A. Campus
B. Teleworker
C. Branch
D. Data center

Answer: C
Explanation:

QUESTION NO: 16

What are three pieces of information that the Cisco IOS show inventory command displays on a Cisco ISR Router? (Choose three.)

A. Installed Hardware serial numbers
B. The status of installed hardware
C. Installed hardware
D. Unique Device Identifier

Answer: A,C,D
Explanation:

QUESTION NO: 17

As a Network Engineer, it is necessary for you to know how to implement MPLS VPNs between Customer Edge and Provider Edge routers. Refer to the following descriptions, which one is making sense?

A. If using static routes between the CE and PE routers, no redistribution of other VPN routes is required.
B. If RIP is the routing protocol that is used between the PE-CE routers, no redistribution is required, but any other protocol will require redistribution.
C. If the PE-CE protocol is not BGP, redistribution of other VPN routes from MP-BGP is required.
D. If using OSPF or EIGRP as the PE-CE routing protocol, redistribution is not required, but any other protocol or static route will require redistribution.

Answer: C
Explanation:

QUESTION NO: 18

Which one of these class maps was configured to match traffic for CS5?

A. Pass4sure 1# show class-map forward
Class map match-all forward (id 3)
Match ip dscp 18
B. Pass4sure 1#show access-map block
Class map match-all block (id 4)
Match ip dscp 43
C. Pass4sure 1# show class-map real-time
Class map match-all block (id 5)
Match ip dscp 16
D. Pass4sure 1# show class-map pass
Class map match-all real-time (id 2)
Match ip dscp 40

Answer: D
Explanation:

QUESTION NO: 19

You are an experienced network administrator in an international company. During your working hours, customers complain that they experience intermittent data loss and they intermittently fail to connect to crucial servers. As shown in the following topology, the 802.1Q trunk between P4S-DSW111 and P4S-ASW1 fails. Though P4S-DSW112 is in the service of HSRP group 11, the SVI for VLAN 11 is up on P4S-DSW111. So as to figure out the problem, which three commands should you issue on P4S-DSW111? (Choose three.)
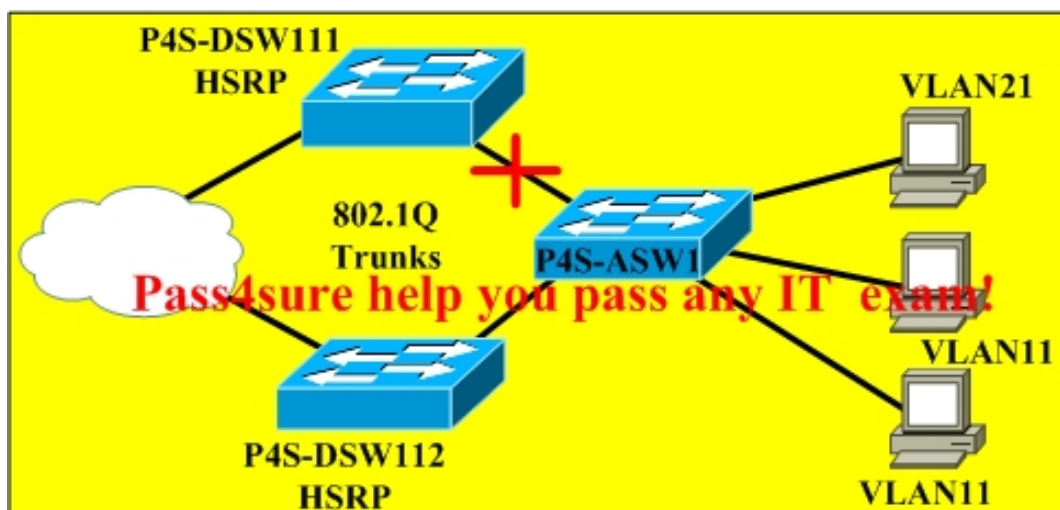
A. show standby vlan 11 brief
B. show interfaces vlan 11
C. show spanning-tree vlan 11
D. show interfaces <fast | gig> mod/port trunk

Answer: B,C,D
Explanation:

QUESTION NO: 20

Which of these tools should you use to compress VoIP packets on a low-speed Frame Replay circuit?

A. Cisco Proprietary payload compression
B. Predictor payload compression
C. RTP header compression
D. TCP header compression

Answer: C
Explanation:

QUESTION NO: 21

As an experienced technician, you are responsible for Technical Support in your company. One of the trainees is asking you some questions on the basis of the following output information. He is wondering, as to interface Fa0/0, assuming that the queue depth value for class "newclass" reaches 32, how many packets will be dropped concerning dscp af11 traffic?