



Free Cisco 300-515 SPVI Practice Questions

Shared by Salinas on 13-08-2026

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Question 1

Question Type: MultipleChoice

Refer to the exhibit.

Router# show mpls forwarding-table					
Local label	Outgoing label or VC	Prefix or Tunnel Id	Bytes label switched	Outgoing interface	Next Hop
29	Pop tag	10.22.22.22/32	0	Gi1/1/0	172.32.0.1
32	0	10.24.24.24/32	0	Gi1/0/0	192.168.1.2
33	0	172.24.24.24/32	0	Gi1/0/0	192.168.1.2
34	0	192.168.0.0/8	0	Gi1/0/0	192.168.1.2
35	0	10.25.25.25/32	0	Gi1/0/0	192.168.1.2
36	0	172.16.0.0/8	0	Gi1/0/0	192.168.1.2
37	25	10.26.26.26/32	0	Gi1/0/0	192.168.1.22
38	0	10.34.34.34/32	0	Gi1/0/0	192.168.1.2

Which statement about this output is true?

Options:

- A- The router IP 192.168.1.2 sent an implicit null, and the output is from the penultimate LSR.
- B- The adjacent router is the egress LSR and has mpls ldp explicit-null configured.
- C- The adjacent LSR router configured mpls label range 0.
- D- The zero in the second column is the normal behavior of an egress router LSR.

Answer:

B

Question 2

Question Type: MultipleChoice

An engineer needs to improve MPLS network management by implementing a set of tools to support the NOC engineers in troubleshooting network failures. Which feature should the engineer implement to check the connectivity of the MPLS LSP between the ingress and egress PE routers?

Options:

- A- MPLS OAM
- B- MPLS-TP
- C- LDP autodiscovery
- D- extended ping

Answer:

A

Explanation:

https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/asr9k_r5-3/mps/configuration/guide/b-mpls-cg53x-asr9k/b-mpls-cg53x-asr9k_chapter_01000.html

Question 3

Question Type: MultipleChoice

Which utility can you use to validate an LSP in an MPLS environment?

Options:

- A- uRPF
- B- MPLS LSP ping
- C- logging
- D- RSVP

Answer:

B

Question 4

Question Type: MultipleChoice

Refer to the exhibit.

mdt default mpls mldp 2.2.2.2

Which statement about this command is true?

Options:

- A- It must be configured on each PE router to enable the PE routers to receive multicast traffic for this particular MVRP.
- B- It is used to set the designated router on a link using PIM-SM.
- C- It must be configured on the PE and CE router to enable MP-BGP to send labels for CSC.
- D- It is used to set the router that will server as the root bridge for STP.

Answer:

A

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/asr1000/configuration/guide/chassis/asrswcfg/lsmmldp.html>

Question 5

Question Type: MultipleChoice

An engineer is troubleshooting an ongoing network outage. Which command should he use that can display the live log files for a process or service running on a network device?

Options:

- A- traceroute
- B- show run
- C- ping
- D- debug

Answer:

D

Question 6

Question Type: MultipleChoice

Refer to the exhibit.

```
R1#sho run sec router isis
ip router isis
router isis
net 49.0002.1010.2021.00
is-type level-1
spf-interval 110
```

```
R2#sho run sec router isis
ip router isis
router isis
net 49.0001.1010.2020.00
is-type level-2-only
set-overload-bit
spf-interval 100
redistribute static ip
```

A technician is troubleshooting a connectivity issue and notices that there is no IS-IS adjacency between R1 and R2. What can the technician change to bring the IS-IS adjacency up?

Options:

- A- Change R2's net address to be in the same area as R1.
- B- Change R1's is-type to level-2-only
- C- Change R1's net address to be in the same area as R2.
- D- Change R2's configuration to no longer set the overload bit.

Answer:

B

Question 7

Question Type: MultipleChoice

Which tool identifies the point of failure in a P2MP LSP from the ingress LSR?

Options:

- A- Jitter TLV
- B- SPAN
- C- P2MP traceroute
- D- P2MP ping

Answer:

C

Explanation:

https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/asr9k_r5-3/mps/configuration/guide/b-mpls-cg53x-asr9k/b-mpls-cg53x-asr9k_chapter_01000.html



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