Cisco 640-878 Exam

Volume: 84 Questions

Question No : 1
Which statement about the benefits of MPLS PHP is true?

A. PHP is implemented to increase the performance on the egress edge LSR. PHP allows the egress edge LSR to perform only one lookup to route the IP packet based on destination IP address and routing table.

B. PHP is implemented to increase the performance on the egress edge LSR. PHP enables the egress edge LSR to perform only one lookup based on the ingress label.

C. PHP is implemented to increase the performance on the egress edge LSR. PHP enables the egress edge LSR to perform two lookups, first lookup based on the ingress label and a second route lookup based on the destination IP address.

D. PHP is implemented to increase the performance on the LSR (P routers). PHP enables the LSR (P routers) to perform only one lookup based on the ingress label.

E. PHP is implemented to increase the performance on the LSR (P routers). PHP enables the LSR (P routers) to perform only one route lookup based on the destination IP address.

F. PHP is implemented to increase the performance on the LSR (P routers). PHP enables the LSR (P routers) to perform two lookups, first lookup based on the ingress label and a second route lookup based on the destination IP address.

G. PHP is implemented to increase the performance on the ingress edge LSR. PHP enables the ingress edge LSR to perform only one lookup based on the ingress label.

H. PHP is implemented to increase the performance on the ingress edge LSR. PHP enables the ingress edge LSR to perform two lookups, first lookup based on the ingress label and a second route lookup based on the destination IP address.

Answer: A

Question No : 2
When upgrading a Cisco ASR 1001 Router, when is the request platform software package expand file bootflash:image-name command required?

A. to copy the consolidated Cisco IOS XE image to the bootflash:

B. to perform Cisco IOS ISSU on the standby route processor

C. to run the router using a consolidated package

D. to run the router using individual subpackages

Answer: D

Question No : 3 DRAG DROP

Drag and drop the troubleshooting issue on the left to the appropriate OSI layer on the right.

high BER	Layer 7
STP port in the "blocked" state	Layer 4
BGP neighbor in the "idle" state	Layer 3
FTP error	Layer 2
TCP sync issue	Layer 1

Answer:

Drag and drop the troubleshooting issue on the left to the appropriate OSI layer on the right.

high BER	Layer 7
STP port in the "blocked" state	Layer 4
BGP neighbor in the "idle" state	Layer 3
FTP error	Layer 2
TCP sync issue	Layer 1

Question No : 4
Refer to the Cisco IOS XR commands exhibit.

```
RP/0/RSP0/CPU0:PE7#install activate disk0:asr9k-video-p-4.1.0
                  ^
% Invalid input detected at '^' marker.

RP/0/RSP0/CPU0:PE7#show user all
Tue Sep 20 21:39:00.331 UTC
Username: admin
Groups: root-system
<output omitted>
```

The router administrator is trying to activate a software package on the router but is not able to do so. Which statement about this problem is true?

A. The router needs to be in the global configuration mode.

B. The router needs to be in the admin global configuration mode.

C. The router needs to be in the admin EXEC mode.

D. The install activate command is not the correct command touse.

E. The administrator needs to log in as the "root"user instead of the "admin" user.

Answer: C

Question No : 5
Refer to the configuration example exhibit.

```
S1(config)# interface f0/1
S1(config-if)# switchport access vlan 118
S1(config-if)# switchport mode dot1q-tunnel
S1(config-if)# interface f0/3
S1(config-if)#switchport access vlan 209
S1(config-if)# switchport mode dot1q-tunnel
```

Which statement is true?

A. A trunk port has been created and VLAN has been allowed.

B. An access port has been created on a UNI.

C. A customer VLAN of 209 is configured.

D. A QinQ VLAN of 118 is configured.

Answer: D

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Question No : 6
Refer to the exhibit.

```
SwitchX#configure terminal
SwitchX(config)#interface fa0/11
SwitchX(config-if)#switchport mode trunk
SwitchX(config-if)#end
```

Which statement is true?

A. VLAN 1 traffic is sent untagged on the fa0/11 trunk port.

B. All VLANs traffic, including the native VLAN traffic, is tagged witha VLAN ID when it is sent over the fa0/11 trunk port.

C. The switchport trunk allowed vlan command is not configured; therefore, no VLANs are allowed on the trunk.

D. The encapsulation type that is used is 802.1ad.

E. The switchport trunk native vlan command is not configured; therefore, the trunk is not operational.

Answer: A

Question No : 7
On Cisco IOS XR software, what is the default commit option?

A. best-effort

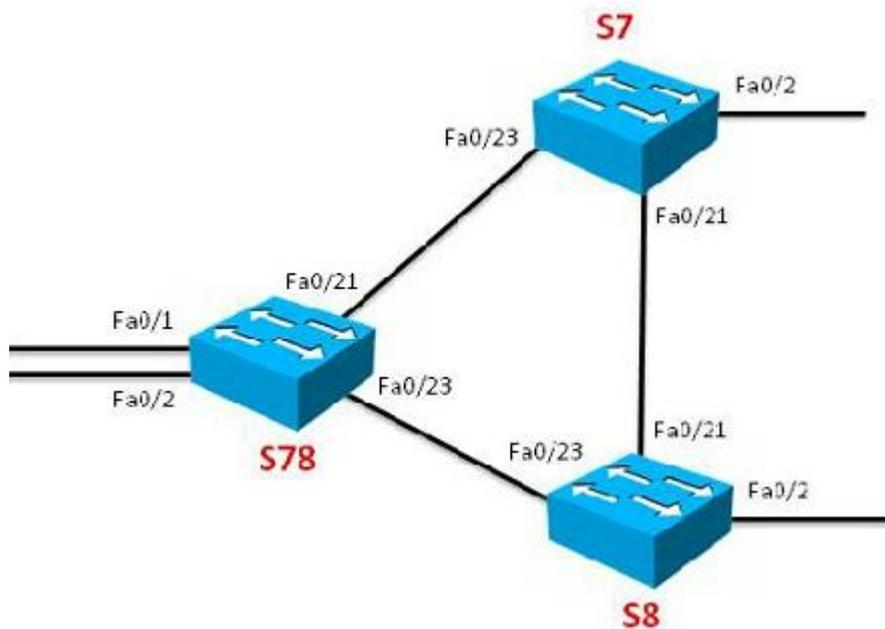B. psuedo-atomic

C. replace

D. force

Answer: B

Question No : 8

Which vlan(s) is/are mapped to MST instance 2?

A. vlan 1

B. vlan 70

C. vlan 80

D. vlans 70 and 80

E. vlans 1, 70 and 80

Answer: C

Question No : 9
Which first-hop router redundancy protocol uses the active virtual gateway to assign a virtual MAC address to the active virtual forwarders?

A. HSRP

B. VRRP

C. GLBP

D. FHRP

Answer: C

Question No : 10
On Cisco IOS XR software, how is LDP enabled on an interface?

A. LDP is automatically enabled globally on all interfaces, when ip cef is enabled globally.

B. LDP is enabled on each interface, using the mpls ip interface configuration command.

C. LDP is enabled on each interface, using the interface command under mpls ldp (MPLS LDP configuration mode).

D. LDP is enabled globally on all interfaces, using the mpls ldp global configuration command.

E. LDP is enabled globally on all interfaces, using the mpls ip global configuration command.

Answer: C

Question No : 11
Which three statements about OSPFv2 or OSPFv3 authentication are true? (Choose three.)

A. On Cisco IOS XR platforms, OSPFv3 authentication can be configured at the OSPF routing process, area, or interface level.

B. OSPF authentication on Cisco IOS and IOS XE platforms can be configured per area or per interface.

C. On Cisco IOS and IOS XE and IOS XR platforms, the authentication key can only be configured per interface.

D. OSPFv3 uses IPsec for authentication and encryption.

E. On Cisco IOS XR platforms, the OSPF authentication that is configured for the area overrides the authentication that is configured for the interface.

F. On Cisco IOS and IOS XE platforms, the two OSPFv2authentication methods that are supported are MD5 and SHA1.

Answer: A,B,D

Question No : 12 DRAG DROP

Refer to the topology diagram that shows a packet flowing from R1 to R6, using PHP operations within the MPLS domain.

Drag and drop the router on the left to its correct description on the right.

R2		performs a label pop operation
R3		sends out an unlabeled IP packet
R4		imposes a label to the incoming unlabeled IP packets
R5		performs a label swapping operation

Answer:

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Question No : 13
Which two statements about the BGP weight attribute on Cisco routersare true? (Choose two.)

A. It is a well-known discretionary attribute.

B. It is only locally significant.

C. Routes with higher weight are the preferred routes.

D. It is used to influence the inbound traffic from the upstream AS.

E. It is set to 100 by default.

Answer: B,C

Question No : 14
You have installed a new router and configured OSPF on it. However, this new router is not able to establish an OSPF neighbor relationship with the neighbor OSPF router. Which four conditions could cause this problem? (Choose four.)

A. mismatched OSPF hello/dead interval between the new router and the neighbor router

B. mismatched OSPF area ID between the new router and the neighbor router

C. mismatched OSPF authentication data between the new router and the neighbor router

D. mismatched OSPF router ID between the new router and the neighbor router

E. mismatched interface MTU between the new router and the neighbor router

F. mismatched interface bandwidth between the new router and the neighbor router
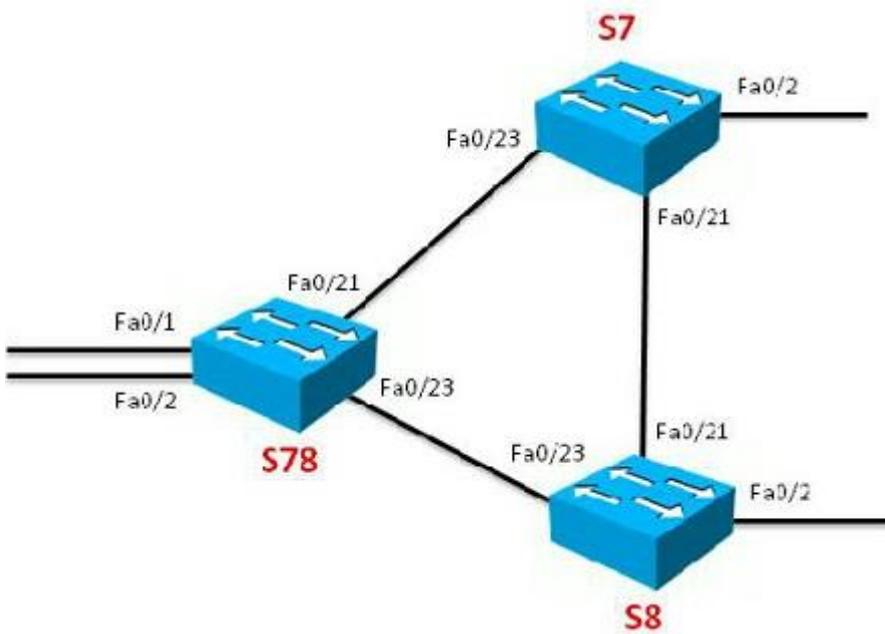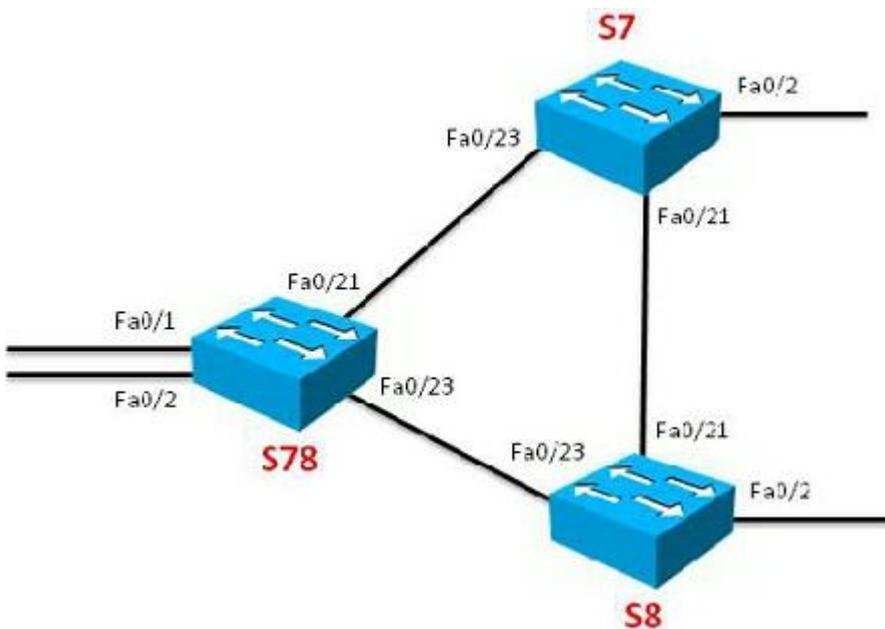
Answer: A,B,C,E

Question No : 15

Instructions
- Enter the proper IOS CLI show commands and analysis the show outputs on the Cisco switches to answer the multiple-choice questions.
- Not all show commands or show commands options are supported or required for this simulation.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- From the Topology, click on the switch icon to gain access to the console of the switch. No console or enable passwords are required.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Scenario
Refer to the topology diagram. Use the appropriate show commands on the Cisco switches to answer the multiple-choice questions.

Which spanning-tree protocol is running on the switches?

A. multiple spanning-tree protocol

B. rapid spanning-tree protocol

C. Cisco per-vlan rapid spanning-tree protocol

D. Cisco per-vlan spanning-tree protocol

E. 802.1D spanning-tree protocol

Answer: C

Question No : 16
Which Cisco platform runs the Cisco IOS XE operating system?

A. Cisco ASR9K

B. Cisco CRS

C. Cisco 12000 GSR

D. Cisco ASR1K

E. Cisco ME 3400

F. Cisco ISR-G2

Answer: D

Question No : 17

Which port is the blocking port for vlan 70?

A. S7 port Fa0/21

B. S7 port Fa0/23

C. S8 port Fa0/21

D. S7 port Fa0/23

E. S78 port Fa0/21

F. S78 port Fa0/23