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Fast Track - Applying HP FlexNetwork Fundamentals

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QUESTION 1

Which FlexNetwork architecture component provides high performance and low-latency for virtual and physical servers that provide services to the users in a company?

A. FlexFabric

B. FlexDataCenter

C. FlexNet

D. FlexArchitecture

Correct Answer: A

QUESTION 2

Refer to the exhibit.

```
[Comware] display ip routing-table
Routing Tables: Public
Destinations : 7     Routes   : 7
Destination/Mask     Proto    Pre   Cost    NextHop       Interface
10.2.0.0/17          OSPF     10    110     10.1.1.5      Vlan3
10.2.64.0/19         OSPF     10    120     10.1.1.5      Vlan3
10.2.192.0/18        OSPF     10    40      10.1.1.13     Vlan5
10.2.64.0/18         OSPF     10    130     10.1.1.13     Vlan5
10.2.128.0/17        OSPF     10    30      10.1.1.5      Vlan3
<-output omitted->
```

Examine the partial HP switch output shown in the exhibit. Based on this output, if the switch receives a packet with a destination IP address of 10.2.90.87, which entry in the routing table would the switch use to forward the packet?

A. 10.2.128.0/17

B. 10.2.0.0/17

C. 10.2.64.0/19

D. 10.2.64.0/18

Correct Answer: C

QUESTION 3

Refer to the Exhibit.

```
dhcp server ip-pool 1
  network 10.1.12.0 mask 255.255.255.0
  gateway-list 10.1.12.1
#
user-group system
#
interface NULL0
#
interface vlan-interface1
  ip address 10.1.1.2 255.255.255.0
#
interface vlan-interface12
  ip address 10.1.12.2 255.255.255.0
#
dhcp server ping timeout 750
dhcp server ping packets 2
```

A network administrator has configured an HP Comware switch to act as the DHCP server for VLAN 12, but the switch is not responding to clients\\' DHCPDISCOVER messages. Based on the exhibit, what is the problem with the DHCP configuration?

A. DHCP is not enabled globally on the switch.

B. DHCP relay is not enabled on VLAN 12.

C. DHCP server is not enabled on VLAN 12.

D. DHCP server ping timeout setting is set too high.

Correct Answer: A

QUESTION 4

What is the purpose of a management VLAN on an HP Provision switch?

A. To prevent IP addresses from being configured on any VLANs other than the management VLAN

B. To provide an administrative-only marker, label, or alias for the VLAN where IMC is installed

C. To identify a specific VLAN as the only VLAN from which users can connect to the switch management interface

D. To limit remote access connections by specifying the IP addresses that can establish connections

Correct Answer: C

QUESTION 5

Refer to the exhibit.

```
<Comware> display port trunk

Interface    PVID    VLAN passing
GE1/0/1 1    1       1, 10, 20
```

What does the output indicate about GE1/0/1?

A. The interface accepts untagged traffic, which it assigns to VLAN 1. It drops traffic that is tagged for VLANs 1, 10, and 20.

B. The interface accepts untagged traffic, which it assigns to VLAN 1. It also accepts traffic that is tagged for VLANs 10 and 20.

C. The interface accepts untagged traffic, which it assigns to VLAN 1. It accepts traffic that is tagged for any VLAN between 10 and 20.

D. The interface does not accept untagged traffic. It accepts traffic that is tagged for VLANs 1, 10, and 20.

Correct Answer: B

QUESTION 6

Where is priority information stored in an Ethernet frame?

A. 802.1Q VLAN tag

B. IP Precedence field

C. DSCP field

D. TOS tag

Correct Answer: A

QUESTION 7

When configuring Multiple Spanning Tree Protocol (MSTP), how should VLANs be separated to perform load balancing?

A. placed into separate instances

B. configured with different priority values

C. never configured with more than one VLAN per instance
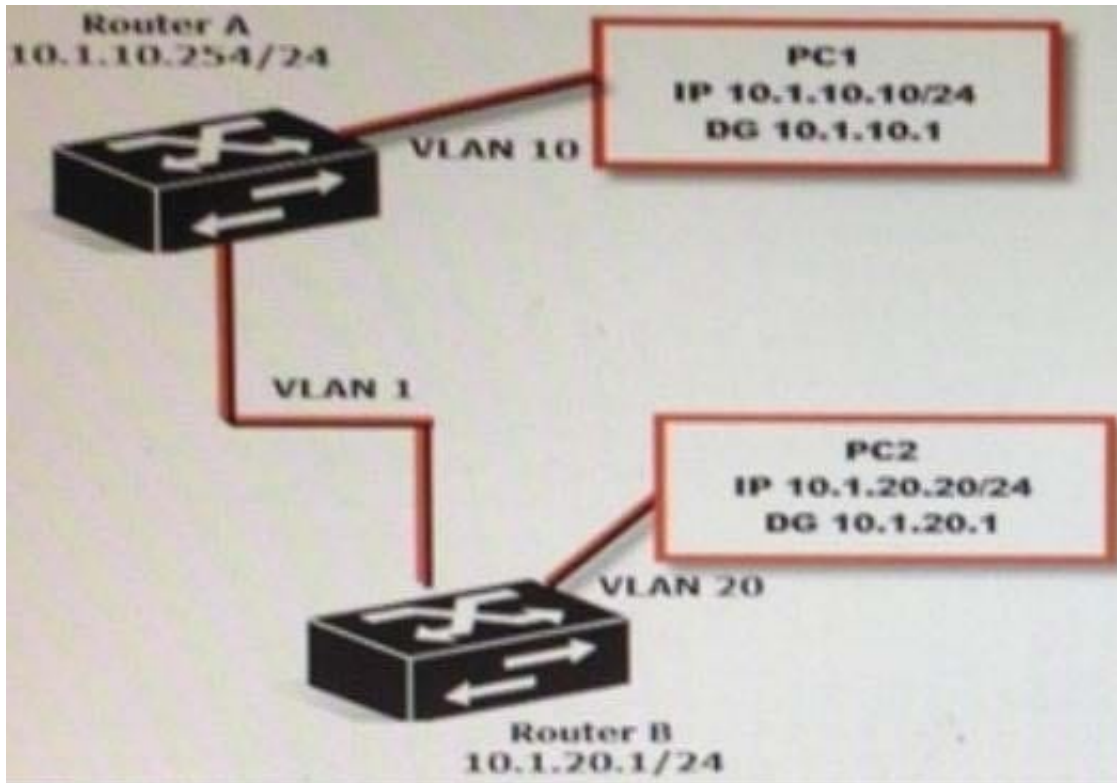
D. placed into separate regions

Correct Answer: A

QUESTION 8

Refer to the exhibit.

Exhibit: Network diagram and routing tables

Router A

Destination/Mask	Proto	NextHop	Interface
10.1.10.0/24	Direct	10.1.10.254	vlan10
10.1.20.0/24	Static	192.168.100.2	vlan1
192.168.100.9/30	Direct	192.168.100.1	vlan1

Router B

Destination/Mask	Proto	NextHop	Interface
10.1.10.0/24	Direct	192.168.100.1	vlan1
10.1.20.0/24	Static	10.1.20.1	vlan20
192.168.100.9/30	Direct	192.168.100.2	vlan1

Why does traffic from PC1 fail to reach PC2?

A. Only static routes have been enabled

B. The subnet mask is incorrect on the routers

C. There is no route back from router B

D. A default gateway setting is incorrect

Correct Answer: C

QUESTION 9

On an HP Comware switch, which view must an administrator access in order to execute the debug command?

A. Manager

B. Operator

C. System

D. User

Correct Answer: D

QUESTION 10

What is one feature that MSTP has that RSTP does not have?

A. load-sharing on redundant links

B. alternate root ports

C. multiple designated ports per segment

D. one set of BPDUs per VLAN

Correct Answer: A

QUESTION 11

Refer to the exhibit.

```
Provision-1(config)# show spanning-tree 1,19,21 instance ist
<-output omitted->                                    Designated
Port    Type        Cost    Priority  Role        State       Bridge
----    --------    ------  --------  ----------  ---------   ----------
1       100/1000T   20000   128       Designated  Forwarding  d4c9ef-851680
19      100/1000T   20000   128       Root        Forwarding  d07e28-cec94f
21      100/1000T   20000   128       Alternate   Blocking    d07e28-ced31e
```

This switch currently assigns all VLANs to Multiple Spanning Tree Protocol (MSTP) instance 0 or the Internal Spanning Tree (IST). Which statement correctly describes interface 21?

A. The interface is down at Layer 2; it is not available for sending or receiving any traffic.

B. The interface is an edge port but has received Bridge Protocol Data Units (BPDUs), so it is disabled.

C. The interface does not forward or accept data traffic, but it is ready to start forwarding if interface 19 fails.

D. The interface does not support spanning tree; it is possible that it will introduce a loop in the network.

Correct Answer: C

QUESTION 12

An administrator is configuring OSPF on an HP ProVision switch. What is one of the steps that the administrator must take?

A. The administrator must create an OSPF area before assigning a VLAN interface to that area.

B. The administrator must set a global router ID before enabling OSPF.

C. The administrator must set an OSPF router ID before enabling OSPF.

D. The administrator must assign a VLAN interface its IP address before specifying the corresponding network in an OSPF area.

Correct Answer: A

QUESTION 13

Refer to the exhibit.

```
<Switch> display port trunk
Interface            PVID    VLAN passing
GE1/0/19               1       1,11
```

The network administrator has configured this port to permit all VLANs. The output in the exhibit indicates that the port is only passing VLANs 1 and 11. The administrator wants the port to pass VLAN 12 as well. What should the administrator do to accomplish this?

A. Enable IP routing.

B. Add VLAN 12 to the switch.

C. Change the port link-type to hybrid.

D. Change the port link-type to access.

Correct Answer: A

QUESTION 14

Which statement correctly defines the management capabilities of an HP MultiService Mobility (MSM) access point (AP)?

A. The AP only supports controlled mode.

B. The AP operates in autonomous mode by default, but can be changed to controlled mode.

C. The AP operates in controlled mode by default, but can be changed to autonomous mode.

D. The AP only supports autonomous mode.

Correct Answer: C

QUESTION 15

Two switches are members in an active Intelligent Resilient Framework (IRF) virtual device. A network administrator joins a third switch to the IRF virtual device. Which switch is now the master?

A. The current master of the IRF virtual device always remains the master.

B. The switch with the lowest member ID always becomes the master.

C. The switch with the lowest priority value always becomes the master.

D. The switch with the highest priority value always becomes the master.

Correct Answer: D

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