HP.Examsheets.HP2-Z32.v2014-08-26.by.BESSIE.115q

Exam Code: HP2-Z32

Exam Name: Implementing HP MSM Wireless Networks

Exam A

QUESTION 1
A network administrator deploys several HP MSM APs and an HP MSM Controller. The APs discover the controller, establish management tunnels, and become synchronized. The administrator wants to check some settings on one of the APs and attempts to reach its web browser interface, but the request times out.
However, a ping to the AP succeeds.
What explains this behavior?

A. The global setting for controlled AP provisioning is disabled.

B. The APs' Web interfaces are not available after they become managed by the controller.

C. The APs' Web management tool features have been disabled either at the AP group level or the controlled AP level.

D. The controller has deployed an access control list (ACL) to the AP.
The management station's address must be added to this list.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
A company is deploying an HP MSM760 Controller that will control approximately 80 HP MSM APs. The HP MSM solution will provide wireless guest services and a WLAN for employees, which is secured with WPA2 and 802.1X.
The controller will perform the following functions:

- handle all guest traffic
- provide DHCP services for guest clients
- force guests to log in through a web page and implement access controls

How should the network administrator connect the controller to the corporate LAN?

A. The administrator must connect both the LAN port and the Internet port, and the ports must be in different VLANs.

B. The administrator can connect either the LAN port or the Internet port, or both ports, but it is typically recommended to connect the Internet port.

C. The administrator must connect both the LAN port and the Internet port, and the ports must be in the same VLAN.

D. The administrator must connect only the LAN port.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
A network administrator maps a network profile with aVLAN ID 512 to the LAN port of an HP MSM765zl Mobility Controller The network administrator configures an IP interface for this profile and intends to contact and manage the controller on this interface.
All other settings remain at default.
What is one step that the network administrator must complete before connecting to the controller on its new IP address?

A. Set the untagged LAN port network interface IP address to none.

B. Enable Spanning Tree Protocol (STP) on the interface.

C. Select the new IP interface as an active interface in the Controller »Management>; Management tool window

D. Set the IP interface as the authorized egress VLAN in the default VSC.
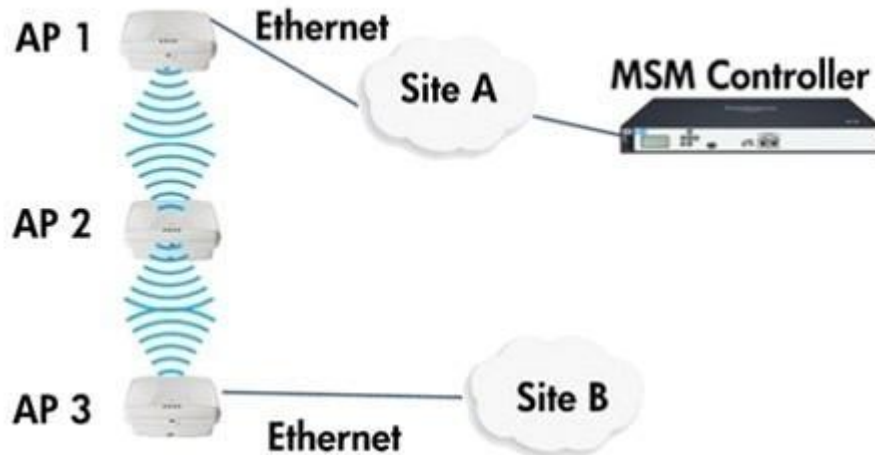
Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Refer to the exhibit.
A network administrator needs to configure a local mesh between the three APs shown in the exhibit.The network administrator configured AP1 for the master role. What are valid roles for AP 2 and AP 3?

Wireless local mesh

A. 2 = Alternate Master; 3 - Slave
B. 2 = Slave; 3 = Alternate Master
C. 2 = Slave; 3 = Master
D. 2 = Slave; 3 = Slave

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
HP MSM APs support a VSC that specifies 54 Mbps as the highest supported data rate. Several clients connect to the WLAN associated with this VSC.
What is the throughput and bandwidth that the clients experience?

A. All clients connected to an AP radio share a throughput of less than 54 Mbps, but a client can transmit or receive at 54 Mbps.
B. When multiple clients connect to an AP radio, each of those clients is limited to 54 Mbps.
C. All clients connected to the VSC share a total of 54 Mbps of throughput regardless of how many AP radios support the VSC.
D. When multiple clients connect to an AP radio, each client typically receives about 50 Mbps throughput.

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:

QUESTION 6
A company has an HP MSM solution with an MSM Controller and APs.
The company requires a WLAN that enforces WPA2 with 802.1X authentication. The company has a RADIUS server that will authenticate wireless users. The RADIUS server administrators would prefer to define just one RADIUS client on the server. Which VSC setting should the MSM administrator plan for this scenario?

A. centralized access control (Use the Controller for Access control option)
B. preshared encryption keys for WPA2 encryption (Preshared Key for Key source)
C. centralized authentication (Use the Controller for Authentication option)
D. local authentication (Local setting for 802.1X authentication)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
Which feature should you enable to enhance Layer 2 (L2) roaming?

A. seamless roaming
B. rapid authentication
C. WPA2 Opportunistic Key Caching
D. single network AP hopping

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
What is the maximum number of E-MSM controllers that can be configured into a single team?

A. 1
B. 2
C. 3
D. 4
E. 5

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
What are the major benefits of creating a team of controllers? (Select two.)

A. controller redundancy
B. Flow support
C. local DHCP support
D. PPTP client and server support
E. single IP management of all team controllers

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
When would the IP address of the Internet port on an MSM controller be set to "No Address"?

A. when NAT is enabled
B. when only authenticated traffic is passing through the Internet port Get Latest & Actual HP2-Z32
C. when NAT is disabled
D. when only VLAN traffic is passing through the Internet port

Correct Answer: D
Section: (none)

Explanation

Explanation/Reference:

QUESTION 11
In order to create a new VLAN in an MSM controller configuration, which path should you take to access the correct screen?

A. VSCs>[select a VSC]>VSC Profile
B. VSCs>VSC bindings>VLANs
C. Controller>Management>VLANs
D. Controller>Network>Ports

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
When Centralized Access Control is configured as Automatic, when is a user data tunnel created?

A. when more than one controller is on the network that has the same access control configuration
B. when tunnels are manually configured and available
C. when IPSec is set up between two controllers
D. when a synchronized AP and its controller are on different subnets

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
What distinguishes an HP MSM460 AP from an HP MSM430 AP?

A. The MSM460 radios support 802.1n, while the MSM430 radios only support 802.11b/g/a.
B. All radios on an MSM460 support 802.11n, while only one radio on an MSM430 supports this standard.

C. The MSM460 radios support three spatial streams, while the MSM430 radios support two spatial streams.

D. The MSM460 supports 802.11n with MIMO on all radios, while the MSM430 supports 802.11n without MIMO.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
An MSM administrator creates an access-controlled VSC, which is not the default VSC, on a standalone MSM Controller The controller should implement DHCP relay on this VSC; clients will receive IP addresses from an external DHCP server The DHCP scope for the clients uses 192.168.1.0/24 and sets the default gateway to 192.168.1.1. The 192.168.1.0/24 subnet is reserved for the wireless clients and does not exist in the LAN.
Which requirement applies to this scenario?

A. The guests must log into a web page hosted on an external server to authenticate on this VSC.

B. The 192.168.1.0/24 subnet must be configured on the controllers LAN port.

C. The DHCP server, or its default gateway, needs a route to 192.168.1.0/24 through the MSM Controller.

D. The APs that support this VSC must receive IP addresses from the same DHCP server as the clients.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
A company has two MSM760 Controllers that form a team. Some ofthe company's APs connect in remote offices and require Layer 3 discovery settings. The company has selected the DHCP option for Layer 3 discovery.
What should be included in the DHCP option list?

A. the team manager's IP address (the manager's actual IP address on the teaming subnet

B. both controllers' IP addresses on an interface on which AP discovery is enabled

C. the team's IP address (the virtual address hosted by the team manager)

D. the hostname that is mapped to the team manager's IP address

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 16
A company has an HP MSM solution that consists of an HP MSM760 Access Controller and controlled HP MSM APs. The solution includes a VSC that enforces local Web-Auth (HTML- based user login) using web pages and guest accounts configured on the controller The company wants to prevent guests from logging in after normal business hours. Which action describes the correct setting to meet these requirements?

A. Create a subscription plan that specifies the valid login times, and apply the plan to the guest accounts.
B. Configure the valid login times in a RADIUS server policy, which then apply to the site or to individual user accounts.
C. Set the valid login times in the Virtual Service Community (VSC) used by guests.
D. Setthe valid login times in the global access control settings of the controller (Controller?Public access > Access control).

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
Which devices negotiate the Extensible Authentication Protocol (EAP) method during the 802.1X authentication process?

A. only the station and authentication server
B. the station, authenticator, and authentication server
C. only the authenticator and authentication server
D. only the station and authenticator

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
A company CEO hears about Hole 196 and is concerned that WPA/WPA2 will not protect the company's wireless communications from eavesdroppers. Which statement accurately describes this vulnerability?

A. Hole 196 exploits a weakness in the WPA encryption algorithm but does not compromise WPA2.
B. Hole 196 allows an unauthorized user to spoof MAC addresses and detect the Group Transient Key (GTK).
C. Hole 196 exploits a weakness in both the WPA/WPA2 encryption algorithm, but a user can download a patch from their station or AP vendor.
D. Hole 196 allows malicious authorized users to implement attacks such as ARP poisoning.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Which 802.11 frames can be sent at any supported rate (as opposed to the basic rate)?

A. Broadcast frames
B. Management frames
C. Multicast frames
D. Unicast frames

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
The MSM APs in an MSM solution are configured to use Automatic Channel Selection (ACS) on their 2.4 GHz radios. Which adjustment would cause the ACS to function more efficiently?

A. enabling channel bonding
B. selecting all of the channels that are allowed in the corresponding country and area
C. excluding all channels except the three channels that are valid for the environment
D. configuring ACS to run multiple times per day

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
Which EAP method requires the supplicant and the authentication server to mutually authenticate with digital certificates?

A. EAP-TLS
B. EAP-SIM
C. EAP-TTLS
D. EAP-PEAP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
What is the primary difference between AES-CCMP and TKIP?

A. With AES-CCMP, each station generates its PMK as part of the 802.1X authentication process.
B. With TKIP, the station uses the same key to secure data and the MIC.
C. AES-CCMP uses a 254-bit keystream, while TKIP uses a 128-bit keystream.
D. AES-CCMP uses a stronger encryption algorithm than that provided by TKIP.
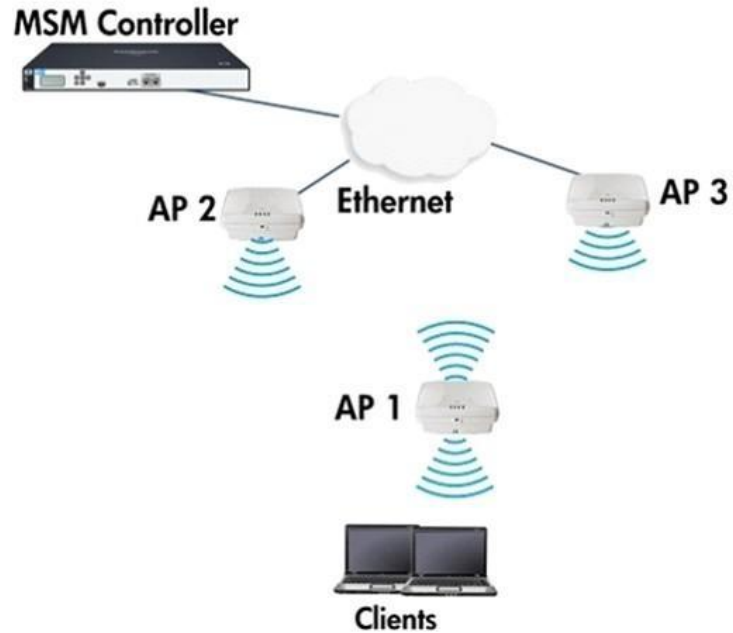
Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
Refer to the exhibit.
A network administrator needs to configure a dynamic wireless mesh to connect HP MSM AP 1 to the network. AP 1 will be installed outdoors where Ethernet is not available. It will connect to AP2ortoAP3; one of which will provide the primary link and one of which will act as backup. Both AP 2 and AP 3 have connections to the Ethernet network and should not connect to each other.

Wireless local mesh:

What are appropriate roles for the three APs?

A. 1 = Slave; 2 = Alternate master; 3 = Alternate master
B. 1 = Slave; 2 = Master 3 = Alternate master
C. 1 = Slave; 2 = Master; 3 = Master
D. 1 = Alternate master; 2 = Alternate master; 3 = Alternate master

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
The MSM APs are deployed on a separate subnet from the controller and network administrators want to set up Layer 3 DHCP discovery.
How will the MSM APs find the MSM Controller?

A. Avendor option in the DHCP scope lists one or more controller IP addresses.

B. The MSM Controller sends unicast messages to the MSM APs.

C. Once the APs receive an IP address from the DHCP server, they broadcast UDP discovery messages.

D. The MSM Controller is configured as the MSM APs' default gateway, allowing APs to send a discovery request to the MSM Controller

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
A company has an HP MSM solution that consists of an HP MSM760 Controller and controlled HP MSM APs. The solution supports a VSC that enforces HTML-based user login (Wet>-Auth) using the controller's internal login pages. The company wants users to see the login page, read a legal agreement, and then click a button to receive free access. For this purpose, the company Web designer customizes the appearance of the login page but does not alter the underlying code.
How should the network administrator configure authentication in the VSC?

A. by enabling HTML-based user logins and specifying the remote option with a RADIUS server as the server

B. by disabling HTML-based user logins

C. by enabling HTML-based user logins and specifying the local option

D. by enabling HTML-based user logins and specifying the remote option with GMS as the server

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
Which 802.11n technology involves a radio transmitting the same data on more than one antenna'?

A. channel bonding

B. band steering

C. multiple spatial streaming

D. transmit beamforming

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 27
A customer has 600 APs and requires N+1 redundancy for the wireless services.
Which teaming solution meets the customer's needs?

A. four MSM760 Controllers with 600 licenses total
B. three MSM760 Controllers with 800 licenses total
C. four MSM760 Controllers with 900 licenses total
D. three MSM760 Controllers with 600 licenses total

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
A company has an HP MSM solution that consists of an HP MSM Controller and controlled HP MSM APs. An access-controlled VSC enforces HTML-
based user login (Web-Auth) using the controllers internal login pages. Many clients that will connect to this VSC are configured for Web proxy to a
server on port 8080. The network administrator has enabled the HTTP/HTTPS proxy support feature.
Which additional step should the administrator take to help these clients log in and use the network?

A. Enable DNS interception.
B. Enable redirection to the public access interface through HTTP rather than HTTPS.
C. Change the port used for HTTP on the controller's public access interface.
D. Create MAC-address public access attributes for the clients with the proxy settings.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
How do HP MSM products, which support the optimized WLAN architecture, forward client traffic onto the wired network?

A. The APs always forward traffic directly onto the wired network, thereby optimizing the traffic flow.

B. The controller always forwards traffic onto the wired network, thereby simplifying management and improving security.

C. While an individual AP must either forward all traffic locally or forward all traffic to the controller, different APs can exhibit different behaviors based on the needs of the company.

D. The APs can forward traffic for some VSCs directly onto the wired network and forward traffic for tunneled or access-controlled VSCs to the controller

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
When should a company deploy HP M111 Client Bridges?

A. when the company has legacy devices that support Ethernet, but the devices need to connect to 802.11g APs

B. when the company wants to deploy APs that support 802.11n in the 5 GHz band, though some client devices only support the 2.4 GHz band

C. when the company needs to monitor client transmissions as part of an integrated wireless intrusion detection system/intrusion prevention system (IDS/IPS)

D. when the company has multiple small sites that require only one AP to provide coverage but need that AP to support guest services locally
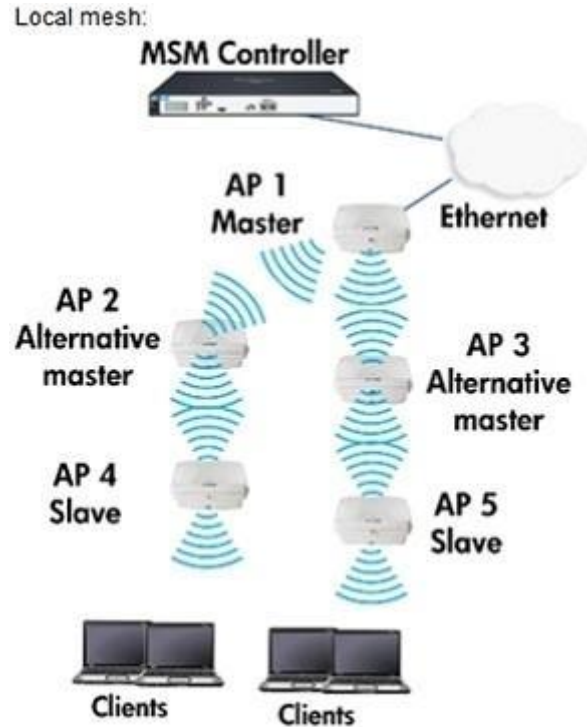
Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
APs. What could occur if AP 2 fails?

Local mesh:

A. AP 1 establishes a session with AP 3.
B. AP 1 establishes a session with AP 4.
C. AP 4 establishes a session with AP 5.
D. AP 4 establishes a session with AP 3.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
The 802.11n radio in one AP supports three spatial streams. The 802.11n radio in another AP supports two spatial streams.
What is one benefit of the first AP radio over the second AP radio?

A. Each spatial stream carries a separate stream of data, increasing bandwidth.
B. Each spatial stream operates on a slightly different frequency, increasing reliability and resilience to interference.
C. Each spatial stream carries the same stream of data, increasing reliability.
D. Each spatial stream can be directed toward a different client, increasing the bandwidth for more clients.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
Which feature differentiates the default VSC from other VSCs that are configured on an MSM Controller?

A. Traffic from the default VSC is always routed out the Internet port.
B. The default VSC can be used to control untagged wired traffic that is received on the LAN port.
C. The default VSC must always be access controlled.
D. Wireless clients that fail authentication to another VSC are assigned to this VSC.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
Two HP MSM Controllers have established a team. The team manager fails. Which statements correctly describe the failover behavior? (Select two.)

A. APs managed by the team manager no longer appear in the team's web browser interface, but the APs continue to support non-access-controlled APs.
B. Clients connected to non-access controlled VSCs do not experience any loss of connectivity.
C. Administrators can continue to configure settings on the team by using the interim manager.
D. Clients connected to access-controlled VSCs do not experience any loss of connectivity.
E. Administrators can contact the team IP address and monitor controlled APs in the web browser interface.

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
A company has an MSM solution that includes an MSM760 Controller and MSM APs. The VSC for the employees does not use the controller for access control. Employees'wireless clients should be assigned to VLAN 10.
How should the MSM administrator define the VLAN 10 setting?

A. as an authorized egress VLAN in the VSC
B. as an IP interface on the controller's Internet port
C. as an egress VLAN in the VSC binding for the AP group
D. as an ingress VLAN in the VSC

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
Which standard supports channel bonding?

A. 802.11g
B. 802.11n
C. 802.11a
D. 802.11b

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Channel bonding: 802.11n channel bonding allows two 20 MHz channels to be combined to form a single 40 MHz channel, effectively doubling the transmission channel width.

QUESTION 37
Which packets do the AP and the client exchange during the 802.1X authentication process?

A. RADIUS packets

B. EAP packets

C. DHCP packets

D. HTTP or HTTPS packets

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The switch sends an EAP-request/identity frame to the client to request its identity. Upon receipt of the frame, the client responds with an EAP-response/identity frame.

QUESTION 38
A network administrator wants to use a dedicated link for teaming communications between two HP MSM720 Controllers. In each MSM720's teaming settings, the administrator selects port 4 and sets the VLAN ID to 101.
What is the correct setting for the port 4 network profile?

A. a network profile without a VLAN ID

B. a network profile with a VLAN ID that is not used in any another profile

C. a network profile with VLAN ID 101

D. the default network profile (Access network)

Correct Answer:
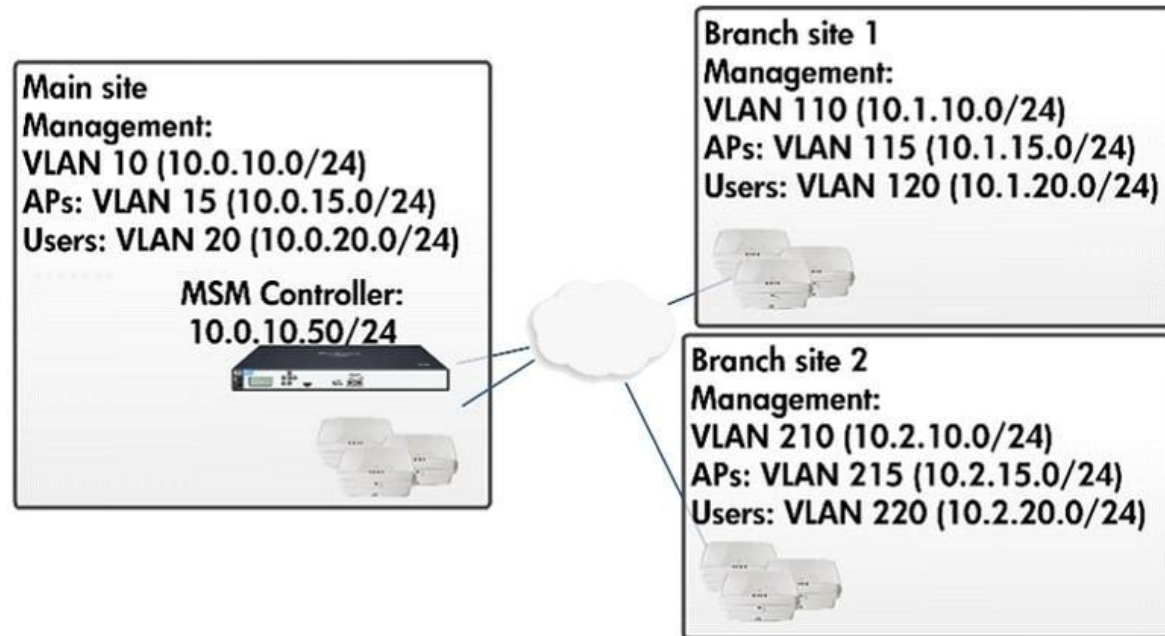**Section: (none)**
Explanation

Explanation/Reference:

QUESTION 39
Refer to the exhibit.
A company must deploy APs at multiple branch sites, as well as at a main site, and selects HP MSM APs for this purpose. A centralized HP MSM Controller must manage the APs. The exhibit shows the VLANs and addressing for a few of the branches as examples.

Network topology

Main site
Management:
VLAN 10 (10.0.10.0/24)
APs: VLAN 15 (10.0.15.0/24)
Users: VLAN 20 (10.0.20.0/24)

MSM Controller:
10.0.10.50/24

Branch site 1
Management:
VLAN 110 (10.1.10.0/24)
APs: VLAN 115 (10.1.15.0/24)
Users: VLAN 120 (10.1.20.0/24)

Branch site 2
Management:
VLAN 210 (10.2.10.0/24)
APs: VLAN 215 (10.2.15.0/24)
Users: VLAN 220 (10.2.20.0/24)

What is a guideline for deploying the APs and ensuring that they can contact the controller?

A. The company should only use the DHCP option for discovery if the network DHCP server does not already use option 43 to configure devices such as Voice over IP (VoIP) phones.
B. Because APs are deployed across a Layer 3 boundary from the MSM Controller, they must be pre-provisioned with static IP addresses.
C. The company should create a DHCP scope that includes DHCP option 43. the IP address of the controller, and the vendor code equal to 1.
D. The company should configure the controller to assign IP addresses to the APs.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
Refer to the exhibit.
AnMSM APis operating in 802.11n mode, and legacy (a/g) traffic is being transmitted on the same radios as the 802.11n traffic. Which Advanced wireless setting prevents collisions from legacy traffic?

A. Tx beamforming
B. Guard interval
C. Multicast Tx rate
D. Tx protection

Correct Answer: B
Section: (none)
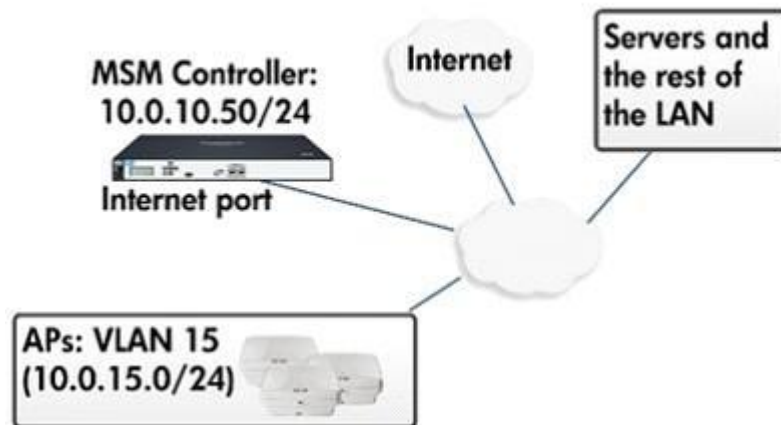**Explanation**

Explanation/Reference:

QUESTION 41
Refer tothe exhibit.
A hospital requires a wireless solution for guests. To enable wireless access, the network administrator creates an access-controlled VSC that uses HTML-based user logins (Web- Auth). The exhibit shows the topology.

Network topology

Which guideline should the network administrator follow to create the VSCfor this solution1?

A. Do not use the default VSC because the LAN port is disconnected.
B. Use the controller for authentication but not for access control. Enable local HTML-user login,
C. Enable the DHCP server or DHCP relay on the VSC.
D. Enable wireless security filters or the Always tunnel client traffic setting. Do not enable both.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
When does 802.1X authentication of a wireless station occur?

A. It occurs after the 802.11 association process, but before the 802.11 authentication process.
B. It occurs after the 802.11 association process.
C. It occurs in place of the 802.11 authentication process.
D. It occurs after the 802.11 authentication process, but before the 802.11 association process.

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:

QUESTION 43
A company wants to use MSM765 zl Controllers in a team solution that supports 750 MSM APs.
What must the company purchase for this solution?

A. six MSM765 zJ Controllers

B. five MSM765 zl Controllers and an additional Premium license for each one

C. four MSM765 zl Controllers and an additional Premium license for each one

D. four MSU765 zl Controllers

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
A hospital requires a wireless solution for visitors. The network administration wants to prevent guests from accessing the Internet until they agree to a legal policy and log in on a Web page supported by the controller.
Which file should the network administrator provide to the web designer to customize for this purpose?

A. subscribe.asp

B. indexasp

C. public-ip.asp

D. welcome.asp

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
The HP MSM Controller features a free access option.

When a user clicks the Free Access button, the controller creates a user account for the guest.
What is one feature of that account?

A. The account is copied to Guest Management Software (GMS) if the MSM Controller is synchronized with that application.
B. The username and password are derived from entries that the user types into the login page.
C. The account has an expiry time that is derived from the session timeout value in the default AC profile.
D. The account has an expiry time that is derived from the free access validity duration.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
Refer to the exhibits. Click here for Exhibit 2 -Portion of VSC settings and example of VSC binding Exhibit 1 shows the network topology for an HP MSM Controller and its controlled HP MSM APs. Assume that the APs have successfully discovered the controller and become managed. Exhibit 2 shows a portion of the VSC settings for a VSC that this solution supports.
This VSC is the default VSC.

Exhibit 1 - Network topology

Main site
Management:
VLAN 10 (10.0.10.0/24)
APs: VLAN 15 (10.0.15.0/24)
Users: VLAN 20 (10.0.20.0/24)

MSM Controller:
10.0.10.50/24
Internet port

Branch site 1
Management:
VLAN 110 (10.1.10.0/24)
APs: VLAN 115 (10.1.15.0/24)
Users: VLAN 120 (10.1.20.0/24)

Branch site 2
Management:
VLAN 210 (10.2.10.0/24)
APs: VLAN 215 (10.2.15.0/24)
Users: VLAN 220 (10.2.20.0/24)
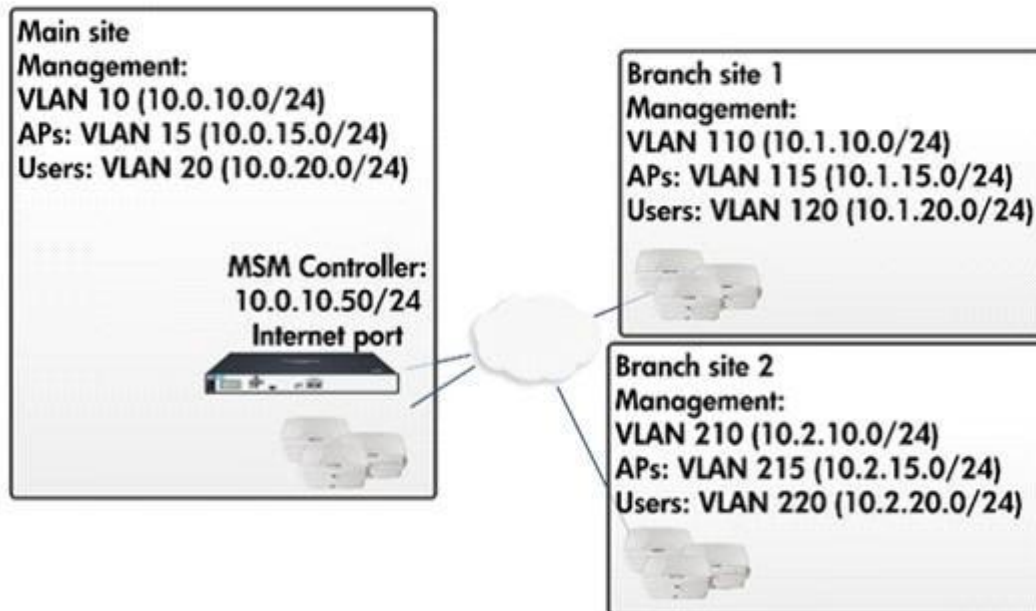
The controller must provide DHCP services for clients connected to this VSC,but does not need to provide addresses for any other purpose. The global DHCP settings include two options for listening for requests. Which options must be enabled, and which can be disabled?

Client data tunnels

Must be enabled
Can be disabled

LAN port

Must be enabled
Can be disabled

Answer:

Client data tunnels

Must be enabled
Can be disabled

LAN port

Must be enabled
Can be disabled

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 47
Select the appropriate descriptions for open and closed systems.

The AP includes the SSID in plaintext in the header of the data frame.

Open system and Closed system
Open system
Closed system

The AP advertises the SSID at regular intervals.

Open system and Closed system
Open system
Closed system

Users must know the name of the SSID in order to access it.

Open system and Closed system
Open system
Closed system

Answer:

The AP includes the SSID in plaintext in the header of the data frame.

Open system and Closed system
Open system
Closed system

The AP advertises the SSID at regular intervals.

Open system and Closed system
Open system
Closed system

Users must know the name of the SSID in order to access it.

Open system and Closed system
Open system
Closed system

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
Refer to the exhibit. A network administrator enables 802.1X authentication on a VSC. The HP MSM Controller implements the RADIUS server settings shown in the exhibit. Which devices require certificates?

Portion of the VSC settings

☑ **802.1X authentication**   ?

Authentication

☑ Local

☐ Remote

General

☐ RADIUS accounting:
    HPTRNG01 ▾

RADIUS server/proxy

RADIUS server   ?

☐ Detect SSID from NAS-Id

Number of accounting sessions: 500

Maximum accounting sessions: 500

Authentication UDP port: 1812
Accounting UDP port: 1813

Server authentication support   ?

☐ PAP (Required to support MAC-based authentication in VSCs)

To support WPA clients you must select at least one of the following:

☐ EAP-TTLS

☐ EAP-PEAP

☑ EAP-TLS

MSM Controller
- Certificate required
- Certificate not required

Clients
- Certificate required
- Certificate not required

APs
- Certificate required
- Certificate not required

Answer:

MSM Controller
- **Certificate required**
- Certificate not required

Clients
- **Certificate required**
- Certificate not required

APs
- **Certificate required**
- Certificate not required

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
What should match on HP MSM Controllers in order for the team to form properly?

Model (for example, MSM760 versus MSM765 zl) [▼]
> Should match
> Does not need to match

VLANs on switch ports on which team communications are established [▼]
> Should match
> Does not need to match

Number of AP licenses [▼]
> Should match
> Does not need to match

Port on which the team communications are established [▼]
> Should match
> Does not need to match

Answer:

Model (for example, MSM760 versus MSM765 zl) [▼]
> Should match
> **Does not need to match**

VLANs on switch ports on which team communications are established [▼]
> **Should match**
> Does not need to match

Number of AP licenses [▼]
> Should match
> **Does not need to match**

Port on which the team communications are established [▼]
> **Should match**
> Does not need to match

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
Select the frequency band for each standard.

802.11n [▼]
| 2.4 GHz
| 5 GHz
| 2.4 or 5 GHz

802.11g [▼]
| 2.4 GHz
| 5 GHz
| 2.4 or 5 GHz

802.11b [▼]
| 2.4 GHz
| 5 GHz
| 2.4 or 5 GHz

802.11a [▼]
| 2.4 GHz
| 5 GHz
| 2.4 or 5 GHz

Answer:

802.11n [▼]

    2.4 GHz
    5 GHz
    [2.4 or 5 GHz]

802.11g [▼]

    [2.4 GHz]
    5 GHz
    2.4 or 5 GHz

802.11b [▼]

    [2.4 GHz]
    5 GHz
    2.4 or 5 GHz

802.11a [▼]

    2.4 GHz
    [5 GHz]
    2.4 or 5 GHz

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
When configuring a wireless mesh, an AP is assigned one of three roles.

Match the description to each role.

Master

Waits for requests from downstream APs
Initiates wireless links with upstream APs and accepts wireless links from other APs
Initiates wireless links with upstream APs but does not accept wireless links from downstream APs

Alternate master

Waits for requests from downstream APs
Initiates wireless links with upstream APs and accepts wireless links from other APs
Initiates wireless links with upstream APs but does not accept wireless links from downstream APs

Slave

Waits for requests from downstream APs
Initiates wireless links with upstream APs and accepts wireless links from other APs
Initiates wireless links with upstream APs but does not accept wireless links from downstream APs

Answer:

Master

Waits for requests from downstream APs
Initiates wireless links with upstream APs and accepts wireless links from other APs
Initiates wireless links with upstream APs but does not accept wireless links from downstream APs

Alternate master

Waits for requests from downstream APs
Initiates wireless links with upstream APs and accepts wireless links from other APs
Initiates wireless links with upstream APs but does not accept wireless links from downstream APs

Slave

Waits for requests from downstream APs
Initiates wireless links with upstream APs and accepts wireless links from other APs
Initiates wireless links with upstream APs but does not accept wireless links from downstream APs

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
Which advantage does Wi-Fi Protected Access (WPA) with Temporal Key Integrity Protocol (TKIP) provide over Wired Equivalent Privacy (WEP)?

A. TKIP encrypts each new frame with a different key.
B. TKIP uses a more robust block cipher mechanism.
C. TKIP allows for key distribution through 802.1X.
D. TKIP uses a stronger encryption algorithm.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
A network administrator is designing wireless meshing for an HP MSM AP. What is a correct guideline that the network administrator should follow?

A. Do not configure a wireless mesh on an AP that supports 802.11n clients
B. Create at least eight links on one radio before establishing a link on a second radio.
C. Enable 802.1X authentication on the mesh link.
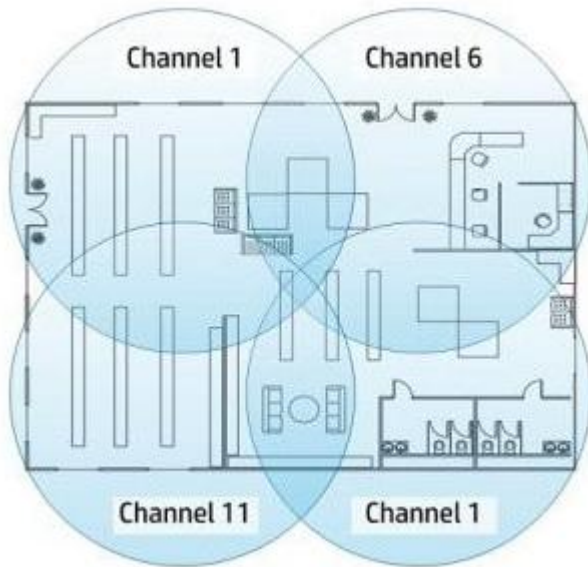D. Dedicate a radio to the mesh link whenever possible

Correct Answer: C
Section: (none)
Explanation
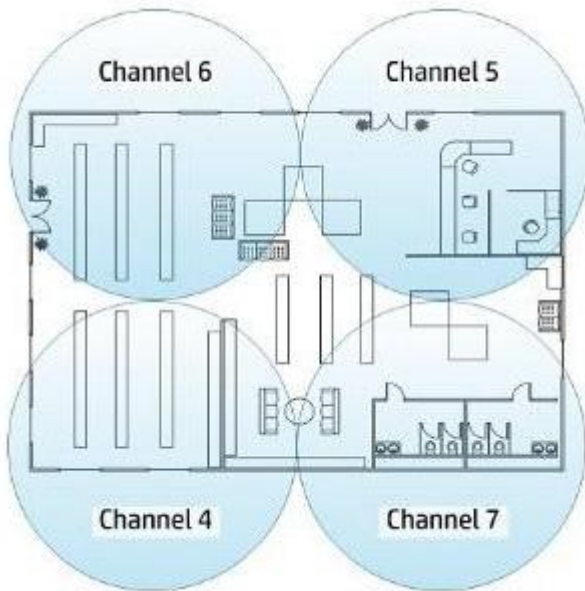
Explanation/Reference:

QUESTION 54
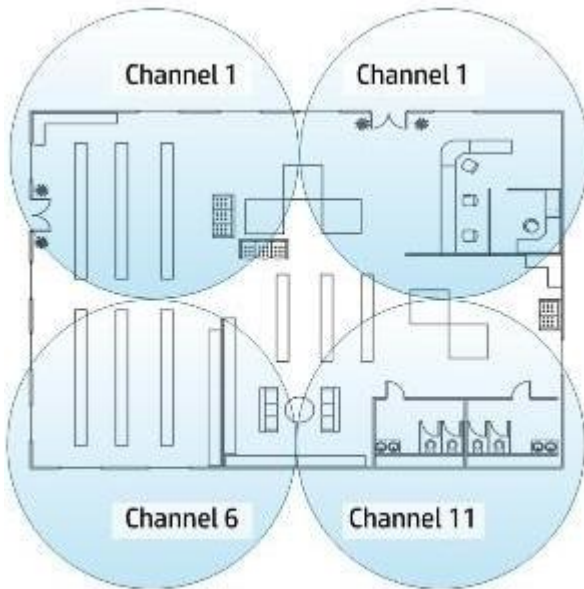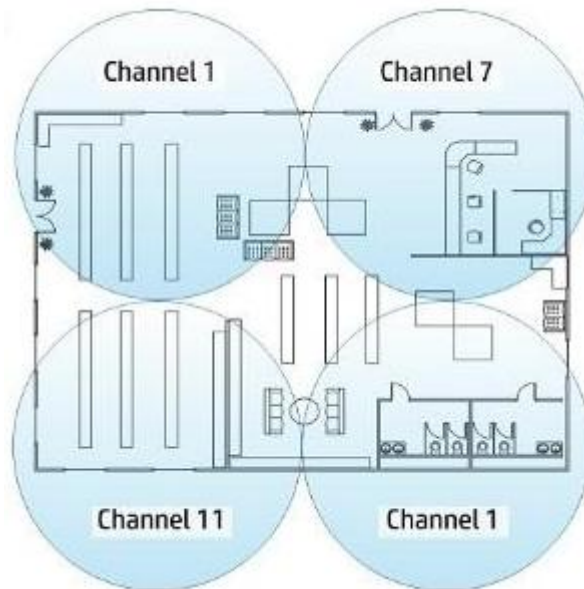Which cell plan is designed property to minimize interference and enable seamless roaming?

A.

B.

C.

D.

Correct Answer: B

QUESTION 55
A network administrator is configuring an HP MSM765 zl Controller and wants to use only the Internet port <slot>1 to forward traffic onto the wired network. How should the network administrator configure the LAN port <slot>2?

A. Place <slot>2 in the same VLAN as <slot>l.
B. Disable <slot>2.
C. Place <slot>2 in the network management VLAN.
D. Isolate <slot>2 by placing it in an unused VLAN.

Correct Answer: B

QUESTION 56
Why is WPA2-PSK less secure than 802.1X with WPA2-PSK?

A. Multiple users share the same password on WPA2-PSK.
B. 802.1X with WPA2-PSK uses a 2048-bit key rather than a 1024-bit key
C. WPA2-PSK sends the initial key in clear text.
D. 802.1X with WPA2-PSK uses a more secure method for exchanging keys

Correct Answer: D

QUESTION 57
A company has an environment with multiple HP MSM Controllers that do not form a team. The company wants to control which controllers manage which APs. What is one feature that network administrators can implement for this purpose?

A. provisioning of the APs' 802.1X supplicant settings
B. AP authentication
C. MAC address filters
D. controller interface discovery settings

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
Refer to the exhibit. The exhibit shows the settings for the X_Employees VSC. Which devices will negotiate the EAP method for this VSC?

VSC: X_Employees | VSC profile

Global ?

Profile name: X_Employees

Use Controller for: ☐ Authentication
☐ Access control

☑ **Virtual AP** ?

WLAN

Name (SSID): X_Employees
DTIM count: 1

☑ Broadcast name (SSID)
☐ Advertise TX power
☐ Broadcast filtering
☐ Band steering

Wireless clients

Max clients per radio: 100
Allow traffic between: all ▾ wireless clients

⊞ **Quality of service**

⊞ **Allowed wireless rates**

☑ **Wireless protection** WPA ▾ ?

Mode*: WPA or WPA2 ▾
Key source: Dynamic ▾

☐ Terminate WPA at the controller

*On radios in pure 802.11n mode WPA2 is always used instead of WPA

☑ **802.1X authentication** ?

Authentication

☑ RADIUS profile: HPTRNGXX ▾

General

☐ RADIUS accounting:
HPTRNGXX ▾

☑ Called-Station-Id content: BSSID ▾

☐ **MAC-based authentication** ?

General

☑ RADIUS profile: HPTRNGXX ▾

☐ RADIUS accounting:
HPTRNGXX ▾

☑ Called-Station-Id content: Wireless Radio ▾

A. MSM AP and the external RADIUS server
B. Station and the MSM AP
C. Station and the external RADIUS server
D. Station and the internal RADIUS server of the MSM Controller

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
What distinguishes an HP MSM466 AP from an HP MSM460 AP?

A. The MSM466 radios support three spatial streams, while the MSM460 radios support two spatial streams.
B. All radios on an MSM466 support 802.11n, while only one radio on an MSM460 supports 802.11n and the others support 802.11 b/g.
C. An MSM466 AP requires external antennas, while an MSM460 AP uses internal antennas.
D. The MSM466 provides three radios that support 802.11n, while the MSM460 provides two radios that support 802.11n.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60
How does 802.11h (DFS) help 802.11 devices avoid interference?

A. The standard enables 802.11n APs to switch channels when they encounter any interference on any channel in the 5.0 GHz range. It offers no benefits for non-n devices.
B. The standard ensures that 802.11 devices do not interfere with other non-802.11 devices that use the 2.4 GHz range.
C. The standard ensures that 802.11 devices operating in the 5 GHz (UNII2-UNII2e) frequency range do not interfere with radar.
D. The standard enables 802.11g and 802.11n devices to switch channels when interference causes the SNR to drop below the minimum level.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
A network administrator defines a new network profile on an HP MSM765 zlMobility Controller but now wants to associate the profile with an IP interface. However, when the network administrator moves to the Controller?Network>; IP interface window, the button for adding a new interface is grayed out and cannot be clicked.

What should the network administrator do?

A. Remove the VLAN ID from the network profile.
B. Assign the profile as an ingress VLAN in a VSC.
C. Delete one of the existing IP interfaces.
D. Map the profile to a controller port.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 62
When configuring the MSM controller for a controlled mode network, at which point is the AP's VSC egress VLAN configured?

A. when the Group is created
B. when the AP is synchronized with its Group
C. when the specified VLAN is created
D. when the VSC is bound to the Group

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 63
What is the term used for the role of an MSM controller when it is managing RADIUS server logins?

A. RADIUS authenticator
B. RADIUS supplicant
C. RADIUS proxy
D. RADIUS client

Correct Answer: D
Section: (none)
Explanation

QUESTION 64
In addition to the data transmit rate, which other parameter is configurable for the QoS Priority levels?

A. notification of blocking enable
B. receive rate
C. retry amount
D. drop or queue choice

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 65
What are the two types of Local Mesh configurations?

A. autonomous, controlled
B. static, dynamic
C. short distance, long distance
D. indoor, outdoor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 66
When is AP Provisioning required before deploying controlled APs in a simple network topology?

A. when using a Local Mesh to connect to the network
B. when an AP needs to be deployed with dynamic IP addressing
C. when the access point is using a Group other than the Default Group

D. discovery of third-party access points

E. when you have Layer 2 connectivity to a controller

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 67
You have decided to limit access to the management GUI to clients on your local network. This requires you to select which item from Active interfaces on your Management screen?

A. VPN

B. LAN port

C. Internet port

D. VLAN/GRE item

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
Common settings (such as the IP address) for all ports on an MSM access point are represented by a port name. What is this port called?

A. Common

B. Global

C. Switch

D. Bridge

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
In which modes do E-Series MSM access points operate? (Select two.)

A. autonomous mode
B. stand-alone mode
C. automatic mode
D. controlled mode
E. off-line mode

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
Which process matches VSCs with Groups?

A. binding
B. synchronizing
C. batching
D. grouping

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 71
Which type of 802.11 wireless network provides direct peer-to-peer connection between wireless stations?

A. infrastructure network
B. ad hoc networkong
C. In-cell relay networking
D. wireless distribution system

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 72
A company is deploying an MSM solution and requires fast roaming for a WLAN.
What helps the solution meet this need?

A. a team of at least two MSM Controllers
B. the use of WEP encryption
C. a Premium license for the MSM Controller
D. the use of an external RADIUS server

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
A company has an HP MSM solution that consists of an HP MSM760 Access Controller and controlled HP MSM317 Access Devices.
The solution supports a VSC that enforces HTML-based user login (Web-Auth) using the 's internal login pages.
controller
The company wants to customize these pages.
What are the correct guidelines for the customization?

A. The Web designer can change the text and images and add new pages.
   However, the designer must not change the existing ASP code or add any new scripts.
B. The Web designer can change the text and images and change the logo image.
   If the company requires more customization, the company should host the pages on an external Web server.
C. The Web designer can change the text and images and add new script and pages.
   However, the existing ASP code should generally be left intact.
D. The Web designer can change the text and images.
   However, the designer must not change the existing ASP code or add any new scripts.

Correct Answer:
Section: (none)

Explanation

Explanation/Reference:

QUESTION 74
Users report that the 802.11n wireless network is extremely slow. The network administrator suspects that the problem is occurring because of a hidden node.
Which mechanism is a solution for this problem?

A. Short Guard Interval (SGI)
B. Reduced Inter-Frame Spacing (RIFS)
C. CTS-to-Self
D. Carrier sense multiple access with collision avoidance (CSMA/CA)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
A network administrator is establishing a team between two HP MSM720 Controllers and must define the connectivity settings (in the Controller >> Management > Teaming window). How should the network administrator configure the VLAN ID and IP address that are used for the 's communication channel?
team

A. Set the VLAN ID and IP address on each team member to unique values that are not used in network profiles.
B. Set the VLAN ID and IP address on each team member to match any network profile assigned as tagged to the port selected for the communications.
C. Set the VLAN ID and IP address on each team member to match any network profile assigned to the port selected for the communications.
D. Set the VLAN ID and IP address on each team member to match any network profile assigned as untagged to the port selected for the communications.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
A company requires a wireless Access Point (AP) that supports Multiple-in, Multiple-Out (MIMO) and three spatial streams. Which HP MSM AP provides these capabilities?

A. MSM310
B. MSM317
C. MSM430
D. MSM460

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77
For each customer requirement, specify how to configure the Use Controller for Authentication and Use Controller for Access Control options in a VSC.

For each customer requirement, specify how to configure the **Use Controller for Authentication** and **Use Controller for Access Control** options in a VSC.

APs send authentication traffic to the controller, but forward traffic from authenticated clients directly onto the wired network.

APs forward both authentication traffic and users' traffic to the controller for handling.

APs authenticate clients and forward users' traffic directly onto the wired network.

Add your comment:

Answer:

APs send authentication traffic to the controller but forward traffic from authenticated clients directiy onto the wired network - *select use controller for access* control

APs forward both authentication traffic and users traffic to the controller for handling - *select use controller for authentication*

APs authenticate clients and forward users traffic directiy onto the wired network - *do not select either option*

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 78
HP MSM APs support a VSC that specifies Mbps as the highest supported data rate. Several clients to the WALN associated with this VSC.
What is the throughput and bandwidth that experience?

A. When multiple clients connects to an AP radio, each client has a potential maximum of 54 Mbps throughput.

B. When multiple clients connect to an AP radio, each of those clients is limited to 54 Mbps.

C. A client can transmit or receive at 54 Mbps, but all clients connected to an AP radio share a throughput less than 54 Mbps.

D. All clients connected to the VSC share a total of 54 Mbps of throughput, no matter how many AP radio support the VSC.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 79
What is the purpose of the uncontrolled port in the 802.1X authentication process?

A. The authenticator uses this port to communicate with the authentication server

B. The authenticator and the supplicant use this port to exchange EAP packets

C. The authentication server blocks this port if authentication is unsuccessful

D. The supplicant uses this port to send and receive data after the authentication process is successful

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
A company wants to increase its security by adding its security by adding a wireless intrusion detection system/intrusion prevention system (IDS/IPS),

which could detect rogue APs and Wi-Fi Protected Access (WPA) attacks.
Which product would provide this extra layer of security?

A. HP Threat management Services z1 Module
B. HP RF Manager
C. HP TippingPoint IPS Platform
D. HP Intelligent management Center (IMC) with Endpoint Admission Defense (EAD)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81
Which 802.11n technology involves a radio transmitting the same data on more than one antenna?

A. Band steering
B. Diversity transmission
C. Beam forming
D. Multiple spatial streaming

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
What is a proper use for an ingress VLAN in an HP MSM VSC?

A. To specify the VLAN on which APs forward traffic from clients connected to the VSC
B. To enable controlled MSM APs to tunnel wireless guest traffic successfully
C. To map traffic from wired guest clients to an access-controlled VSC
D. To specify the VLAN on which the controller forwards traffic from clients connected to the VSC

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:

QUESTION 83
A hotel chain requires an HP MSM for guests who log in through web log in through web pages hosted on the HP MSM Controller. The company wants to customize the pages with its own logos, pictures, and messaging.
What are valid ways that the network administrator can lead the customized pages on the controller? (Select two)

A. Replace and add individual files, which are saved on the local management station.
B. Load the entire set of pages from a zip file on the local management station.
C. Load the pages on the controller from an FTP server.
D. Synchronization with an external Web server and download the pages from it.
E. Define login-url, welcome-url, and goodbye-url attributes to load the pages.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 84
The Use Controller for Access Control option is selected of a VSC that is defined on an HP MSM Controller. The VSC enforces MAC-Auth to an external RADIUS server and also users a wireless MAC filter Allow list. A client attempts to connect to the WLAN associated with this VSC its MAC address is defined ass allowed on the external RADIUS server but is not listed on the VSC's Wireless MAC filter Allow list.
What happens when the client attempts to connect?

A. The client can connect and forward traffic and no errors are logged.
B. The client cannot connect or forward traffic.
C. The client can connect but can only forward traffic to devices on the wireless MAC filter allow list.
D. The client can connect and forward traffic but an error is logged on the controller.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85

Authentication server	makes access decisions ∨
Authenticator	controls access ∨
Supplicant	requests access ∨

Answer:

Authentication server - makes access decisions
Authenticator - controls access
Supplicant - requests access

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 86
The exhibist shows access lists configured on an HP MSM Controller. In addition, the controller has an account profile that specifies the "premium" access list. A network administrator applies this account profile to the user1 account. After user1 authenticates, which access list(s) does the controller apply to user1's traffic?

Configured attributes ?

Attribute	Value	Action
ACCESS-LIST	factory,ACCEPT,all,*procurve.com,a...	⬆ ⬇ 🗑
ACCESS-LIST	factory,ACCEPT,all,*hp-ww.com,all	⬆ ⬇ 🗑
ACCESS-LIST	factory,ACCEPT,all,*windowsupdate....	⬆ ⬇ 🗑
ACCESS-LIST	premium,accept,tcp,server.hptrng02...	⬆ ⬇ 🗑
ACCESS-LIST	premium,accept,tcp,server.hptrng02...	⬆ ⬇ 🗑
ACCESS-LIST	premium,deny,all,10.2.0.0/16,all	⬆ ⬇ 🗑
ACCESS-LIST	premium,accept,all,all,all	⬆ ⬇ 🗑
ACCESS-LIST	guests,deny,all,10.2.0.0/16,all	⬆ ⬇ 🗑
ACCESS-LIST	guests,accept,all,all,all	⬆ ⬇ 🗑
USE-ACCESS-LIST	factory	🗑
DEFAULT-USER-USE-ACCESS-LIST	guests	🗑
VSA-WISPR-ACCESS-PROCEDURE	1.0	🗑

A. Only premium
B. First premium and then guests only
C. First factory, then premium, and then guests
D. First factory and then premium only

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 87
Refer to the exhibit. Portion of the settings for VSC profile A VSC profile B and VSC profile C.

Global ?

Profile name: A

Use Controller for: ☑ Authentication
☑ Access control

Access control ?

☑ Present session and welcome page to 802.1x users
☐ Identify stations based on IP address only
☐ Local NAS Id:

VSC ingress mapping ?

☑ SSID
☐ VLAN <No VLAN defined> ▼

Global ?

Profile name: B

Use Controller for: ☑ Authentication
☐ Access control

VSC ingress mapping ?

○ SSID
● Ethernet Switch

Global ?

Profile name: C

Use Controller for: ☐ Authentication
☐ Access control

A network administrator is deploying an HP MSM solution for a hotel. The solution consists of an HP MSM760 Access Controller, 50 HP MSM317 Access Devices, and several HP SMS460 Aps. The hotel plans to connect voice over IP (VoIP) phones to port 1 on each HP MSM317. To protect the ports from unauthorized access, the network administrator will configure the ports to support MAC authentication to accounts configured on the controller. The exhibit shows a portion of the settings for three VSCs Each VSC is enabled for MAC authentication.
How can the network administrator configure port 1 on the MSM317s to meet this requirement?

A. Configure switch port 1 at the controlled Aps level and bind VSC A to it.
B. Configure switch port 1 at the controlled Aps level and bind VSC B to it.
C. Configure switch port 1 at the controlled Aps level and bind VSC C to it.

D. Configure switch port 1 at the controlled Aps level and enable MAC authentication on it.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 88
Match each description to the appropriate extensible authentication protocol(EAP) type.

It uses a secure tunnel to protect both the client's username and its password.	⌄
Often used with Windows supplicants, it uses a secure tunnel to transmit the client's password.	⌄
It authenticates both the client and server with Public Key Infrastructure (PKI) digital certificates.	⌄

Answer:

It uses a secure tunnel to protect both the client's username and its password. - *eap-peap*

Often used with windows supplicants it uses a secure tunnel to transmit the client's password. - *eap-ttls*

It authenticates both the client and server with public key infrastructure(PKI) digital certificates. - *eap-tls*

Point and Shoot:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 89
A network administrator is managing an existing MSM solution and changes the radio settings for a group of MSM APs controlled by an MSM controller.
Which action must the network administrator take to apply the settings to the MSM APs?

A. Click the Save button on the Radio configuration page to immediately apply the new configuration
B. Click the Save button on the Radio configuration page and synchronize the MSM APs to the msm controller
C. Click the Save button on the Radio configuration page and then reboot the MSM APs

D. click the Apply Changes button on the VSC Binding page

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 90
Which feature is supported by an MSM720 but not by and MSM760?

A. The ability to manage up to 200 Aps
B. Teaming that is enabled through a premium license
C. Fast roaming that is enabled through a premium license
D. Multiple ports that you can combine in link aggregation groups

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 91
A customer decides to deploy two non-teamed controllers for a redundancy solution. What is one disadvantage of this solution as opposed to a teamed solution?

A. In a failover situation, wireless users associated with a non-access-controlled VSC are disconnected.
B. The guest solution cannot feature subscription or payment services
C. The customer must purchase more AP licenses to support the same number of Aps with N+1 redundancy
D. In a failover situation, wireless users associated with an access-controlled VSC must log in again.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92

Which VSCs require the implementation of opportunistic key caching?

A. any VSC that supports Layer 3 roaming
B. all VSCs that are secured by WPA/WPA2-PSK or WPA/WPA2 with 802.1x
C. any VSC that is secured by WPA/WPA2 with 802.1x
D. all access-controlled VSCs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 93
What is the general relationship between the coverage and the gain of a directional antenna?

A. When the gain of the antenna is higher the antenna provides more diversity across the coverage area
B. When the gain of the antenna is higher the coverage pattern is broader
C. When the gain of the antenna is higher the coverage pattern is narrower
D. When the gain of the antenna is higher the coverage area for the highest supported rates is higher

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 94
A company needs a WLAN for its employees Network administrators are planning a non-access- controlled VSC that enforces WPA2 and 802.1x. The network administrators want to assign wireless clients to VLAN 10 in building 1 and to VLAN 20 in building 2.
What is the proper design?

A. Two VSCs each or which specifies a different egress VLAN
B. One VSC that specifies two egress VLANs
C. Two VSCs each of which specifies a different ingress VLAN
D. One VSC that is bound to two AP groups using different egress VLANs

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
A company wants to allow layer 2 roaming between two aps what are requirements for layer 2 roaming?

A. The aps must both support fast roaming
B. The WLAN no both aps must have the same security settings
C. The aps must support the same service set ID(SSID)
D. The WLAN no both aps must be configured as open systems.
E. The aps redios must support the same basic and supported rates.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 96
What is one factor that a wireless network designer must consider when estimating path loss between an AP and a client?

A. the antenna gain
B. the transmit power of the AP
C. the client receiver sensitivity
D. the type of environmental obstruction

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 97
What distinguishes HP MSM APs that implement a dynamic mesh link from HP MSM APs that implement a static link?

A. The APs using the dynamic link can automatically negotiate the VLAN for egressing user traffic.
B. The APs using the dynamic link can establish new links between each other if one of the APs fails.
C. The APs using the dynamic link can authenticate each other with 802.1X and receive the key for encrypting traffic sent on the link in that way.
D. The APs using the dynamic link can negotiate type of encryption that they will use dynamically.
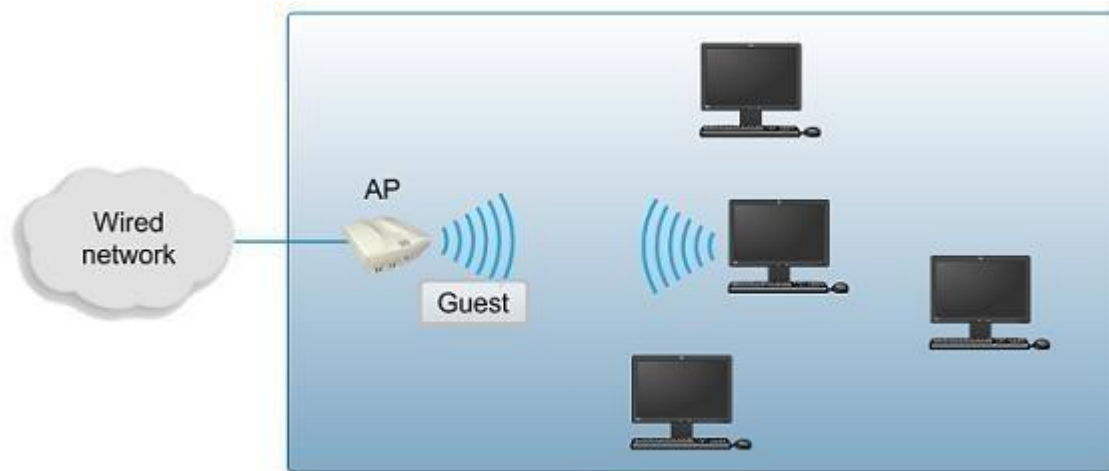
Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 98
What does this exhibit show?

A. Wireless bridging
B. Basic service set (BSS)
C. Wireless distribution system (WDS)
D. Extended service set (ESS)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 99
Which VSCs require the implementation of opportunistic key caching?

A. any VSCs that is secured by WPA/WPA2 with 802.1X
B. all VSCs that are secured by WPA/WPA2-PSK or WPA/WPA2 with 802.1X
C. any VSC that supports Layer 3 roaming
D. all access-controlled VSCs

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 100
The VSC settings on an HP MSM Controller include a checkbox for SSID broadcasting. How do APs that support this VSC behave if a network administrator clears this checkbox?

A. The APs do not include the SSID in the beacons that they periodically transmit.
B. The APs suppress unnecessary broadcast traffic received from VLANs associated with this SSID, including DHCP discovery broadcasts and some ARP requests.
C. The APs suppress unnecessary broadcast traffic received from wireless clients associated with this SSID, with the exception of DHCP discovery broadcasts and ARP requests.
D. The APs and clients do not include the SSID in any frames, including control frames, management frames like beacons, and data frames.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 101
A network administrator maps a network profile with a VLAN IF 512 to the LAN port of an HP MSM765 zl Mobility Controller. The network administrator configures an IP interface for this profile and intends to contact and manage the controller on this interface. All other settings remain at default.
What is one step that the network administrator must complete before connecting to the controller on its new IP address?

A. Set the IP interface as the authorized egress VLAN in the default VSC.

B. Set the untagged LAN port network interface IP address to none.
C. Select the new IP interface as an active interface in the Controller >> Management > Management tool window.
D. Enable Spanning Tree Protocol (STP) on the interface.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 102
A multiple-input, multiple-output (MIMO) device has a 2 x 3 configuration.
Which statement about this configuration is true?

A. The device can transmit two and three spatial streams.
B. The device has two antennas that each support three spatial streams.
C. The device can transmit to six clients at once, using slightly different frequencies.
D. The device has two transmitting antennas and three receiving antennas.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 103
A company has an HP MSM solution. The HP MSM APs deployed at one site are managed by HP MSM Controller. The HP MSM Controller is deployed at another site. The APs tunnel client data traffic to the controller.
Which guideline should the network administrator follow to ensure the solution works correctly?

A. No firewall between the APs and the controller can implement NAT.
B. Because the tunnel cannot be established on a tagged VLAN, the egress network in the VSC binding of the APs must not be configured.
C. Any firewall between the APs and the controller must permit traffic destined to the controller on UDP ports 3000 and 3001.
D. The tunnels must terminate on the controller's IP address in its untagged LAN port interface Get Latest & or for an MSM720 its Access network.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 104
A company has an MSM solution that includes an MSM 760 Controller and MSM APs. The VSC for the employees does not use the controller for access control, nor does it use wireless mobility. Employees' wireless clients should be assigned to VLAN 10. How should the Ethernet network administrators design VLAN 10?

A. Extend VLAN 10 from its default router to the MSM Controller's LAN port.
B. Extend VLAN 10 from its default router to the APs' switch ports
C. Extend VLAN 10 from the MSM Controller's LAN port to the APs' switch ports.
D. Extend VLAN 10 from its default router to the MSM Controller's Internet port.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 105
Refer to the exhibit.
Hospital VSC

VSC: **All** | VSC profiles											?
		Ingress		**Egress**		**Encryption**			**Authentication**		
Name		SSID	VLAN	GRE	VLAN	TKIP	AES	WEP	802.1x	MAC	HTML
☞ **HP** (Default)	✗ HP		-	-	-	-	-	-	-	-	✓
☞ **Hospital**	⚲ Hospital		-	✓	-	-	-	-	-	-	✓

Add New VSC Profile...

☞ = Access controlled   ✗ = SSID Off   ⚲ = SSID On   ⚲ = SSID On and configured for broadcast

A hospital has an HP MSM solution that provides guest access, including Web-Auth to the local login pages of the controller. The exhibit shows the Hospital VSC used by guests. The network administrators have created an isolated guest VLAN, VLAN 100. The HP MSM Controller should provide the same guest services to wired clients connected to this VLAN. The network administrator has configured a network profile and the required settings. How should the controller apply the profile in the VSC?

A. as the egress VLAN for unauthenticated users
B. as the egress VLAN for authenticated users
C. as the ingress VLAN
D. as the egress VLAN for intercepted users

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 106
A network administrator configures most settings for an HP MSM team from the team Web browser interface. However, the network administrator must configure a few settings from the interface of the individual member. What is one of these settings?

A. certificates
B. subscripting plans
C. DHCP relay settings
D. Virtual service communities (VSCs)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 107
A network administrator wants to collect and monitor statistics from across an enterprise wireless network. The network includes three HP MSM765 Controllers and 440 HP MSM APs. The network administrator also wants to monitor other network infrastructure devices, including HP and non-HP switches.
Which solution best provides this capability?

A. HP RF Manager
B. HP Intelligent Management Center (IMC) Basic Software Platform
C. HP Manager and RF Planner
D. HP IMC and Wireless Services Manager (WSM)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 108
A company has an MSM765 zl Controller that is managing more than one hundred APs. To increase redundancy, the company is adding another MSM765 zl Controller, which will form a team with the first. The controller currently supports an access-controlled VSC for guests. It assigns IP addresses to guest clients, directs the clients to its local web pages, and authenticates the guests to a local user account. Which aspect of this solution should the network administrator change in order implement teaming?

A. Controllers should use non-access-controlled VSCs with the guest login pages.
B. Controllers should now direct guests to pages on an external web server.
C. Controllers should use DHCP relay instead of assigning IP addresses to clients.
D. Controllers should now authenticate guests to an external RADIUS server.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 109
A network administrator installs an HP MSM765 zl controller in slot D of HP 8212 zl switch. The network administrator plans to configure a management IP address on the controller's (untagged) Internet port network.
This address is in the subnet that is associated with VLAN 2 in the corporate LAN. How should the network administrator configure the HP 8212 zl switch?

A. Specify VLAN 2 as the tagged VLAN on interface d1.
B. Specify VLAN 2 as the tagged VLAN on interface d2.
C. Specify VLAN 2 as the untagged VLAN on interface d1.
D. Specify VLAN 2 as the management VLAN and assign VLAN 2 to interface d2.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 110
A company has an MSM solution that is providing wireless access for its employees. The company now needs a simple wireless guest solution, and the MSM administrator is creating modern for guests'an access-controlled VSC for this purpose. The company has a cable Internet access, and the controller should route traffic directly to the Internet Service Provider (ISP) router through this modern. The MSM administrator has created an IP interface for VLAN 1000 on the controller's Internet port.
What else must the MSM administrator do?

A. Create a route to the ISP router through the core switch.
B. Connect the controller's LAN port to the cable modern.
C. Disconnect the controller's Internet port from the core switch and connect it to the cable modern.
D. Set VLAN 1000 as the egress VLAN in the guest VSC.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 111
What are two factors of a radio's Effective Isotropic Radiated Power (EIRP)? (Select two.)

A. number of stations in the cell
B. receiver sensitivity
C. transmit power
D. antenna pattern
E. cable loss

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 112
An MSM network administrator creates an access-controlled VSC and enables DHCP services on this VSC.
The network administrator sets the DHCP subnet in the guideline should the administrator follow?

A. Use the 192.168.1.0/24 subnet as the teaming subnet if a team is required.
B. Use the controller's IP address on 192.168.1.0/24 subnet as its management address.
C. Assign the 192.168.1.0/24 subnet to the controller's LAN port (untagged).
D. Do not set the 192.168.1.0/24 subnet on any IP interface on the controller.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 113
A company wants to authenticate wireless users to user accounts configured on the MSM Controller. Which settings must be defined in the VSC for those users? (Select two.)

A. HTML-based authentication must be enabled.
B. Use the controller for authentication must be enabled.
C. Use the controller for access control must be enabled.
D. 802.1X authentication must be enabled.
E. The authentication method (any type) must be set to Local.
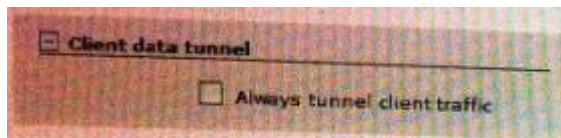
Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 114
Refer to the exhibit.

The exhibit shows a VSC setting that is disabled. A network administrator is creating an access- controlled VSC for guest access. Which use case does disabling this setting impact?

A. The company has central RADIUS servers and web servers, which it wants to use to authenticate guests.

B. The controller is part of a teaming solution.

C. Guests need to log into the controller's local pages to receive access to any resources.

D. Guests need to receive access to resources on their local subnet before authenticating.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 115
A company has an MSM720 Controller and wants to implement a team solution. What is the guideline for implementing teaming with MSM720 Controllers?

A. The team can include a maximum of five members, which must have a Premium license.

B. The team can include a maximum of five members, which must have a Mobility license.

C. The team can include a maximum of two members, which must both have a Premiun Mobility license.

D. The team can include a maximum of three members, which must have a Teaming license.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference: