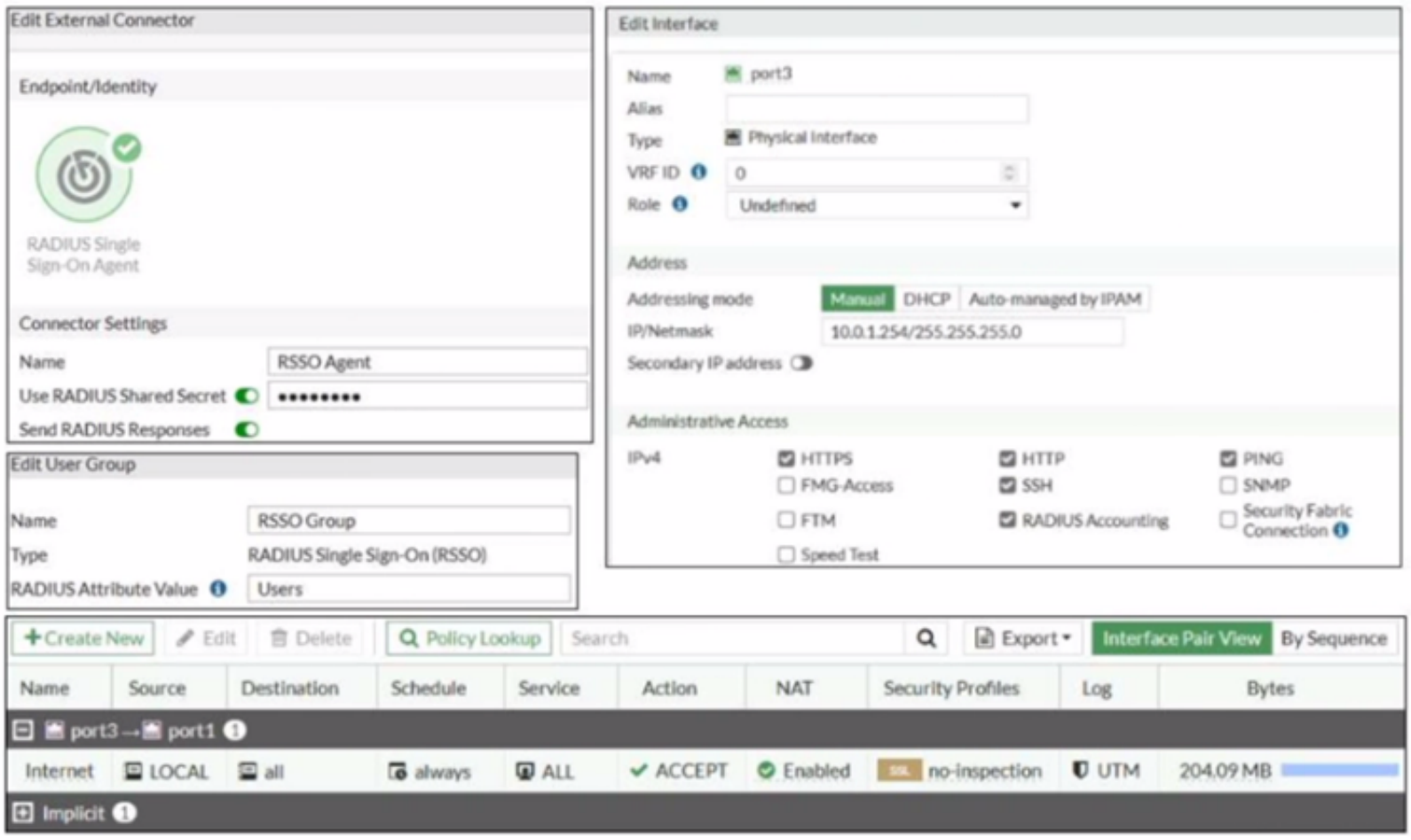
Fortinet

Exam Questions NSE7_LED-7.0

Fortinet NSE 7 - LAN Edge 7.0

NEW QUESTION 1
Refer to the exhibit



Examine the FortiGate RSSO configuration shown in the exhibit
FortiGate is configured to receive RADIUS accounting messages on port3 to authenticate RSSO users The users are located behind port3 and the internet link is connected to port1 FortiGate is processing incoming RADIUS accounting messages successfully and RSSO users are getting associated with the RSSO Group user group However all the users are able to access the internet, and the administrator wants to restrict internet access to RSSO users only
Which configuration change should the administrator make to fix the problem?

A. Change the RADIUS Attribute Value selling to match the name of the RADIUS attribute containing the group membership information of the RSSO users
B. Add RSSO Group to the firewall policy
C. Enable Security Fabric Connection on port3
D. Create a second firewall policy from port3 lo port1 and select the target destination subnets

Answer: B

Explanation:
According to the exhibit, the firewall policy from port3 to port1 has no user group specified, which means that it allows all users to access the internet. Therefore, option B is true because adding RSSO Group to the firewall policy will restrict internet access to RSSO users only. Option A is false because changing the RADIUS Attribute Value setting will not affect the firewall policy, but rather the RSSO user group membership. Option C is false because enabling Security Fabric Connection on port3 will not affect the firewall policy, but rather the communication between FortiGate and other Security Fabric devices. Option D is false because creating a second firewall policy from port3 to port1 will not affect the existing firewall policy, but rather create a redundant or conflicting policy.

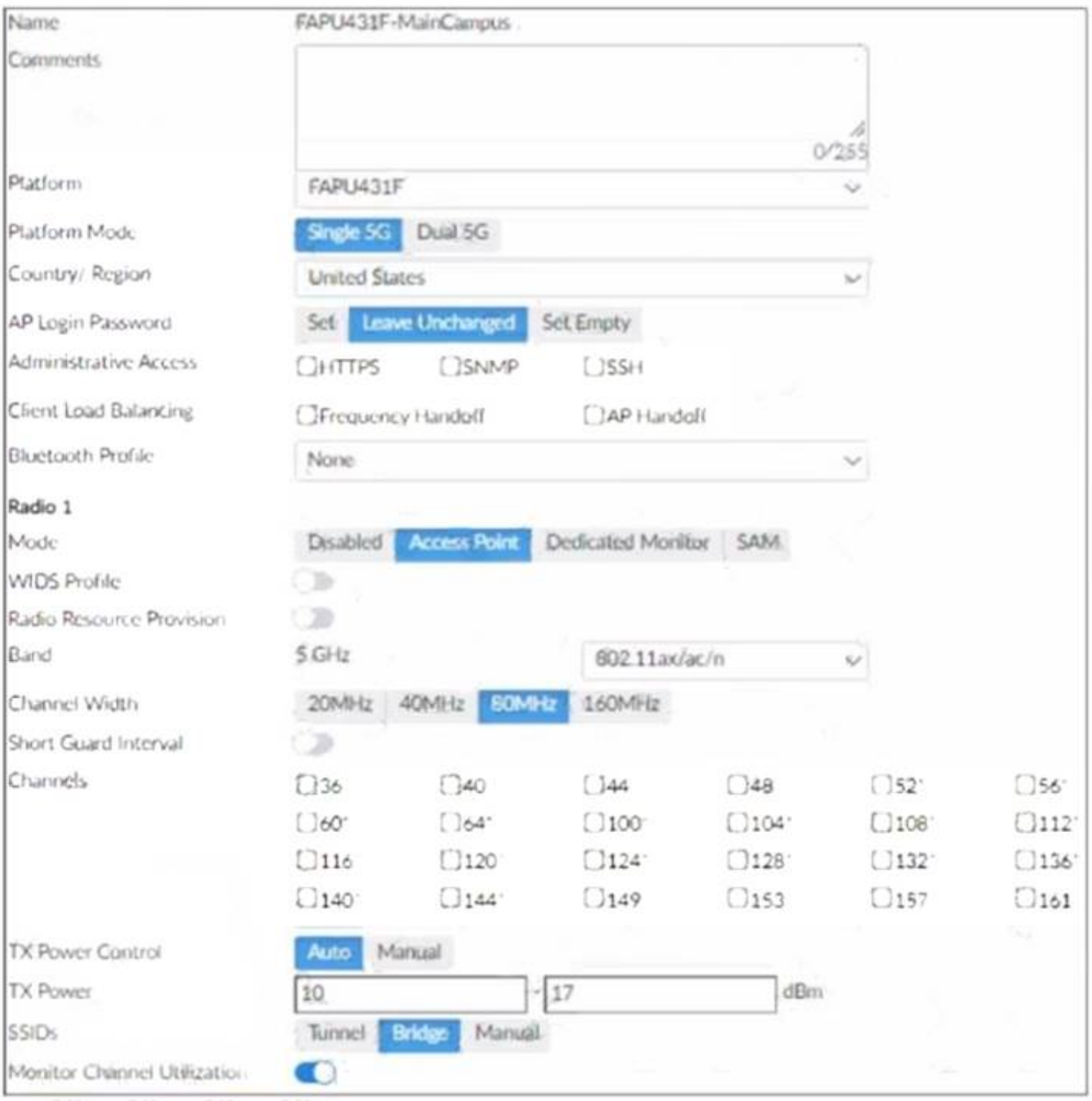
NEW QUESTION 2
You are investigating a report of poor wireless performance in a network that you manage. The issue is related to an AP interface in the 5 GHz range You are monitoring the channel utilization over time.
What is the recommended maximum utilization value that an interface should not exceed?

A. 85%
B. 95%
C. 75%
D. 65%

Answer: D

Explanation:
According to the FortiAP Configuration Guide, “Channel utilization measures how busy a channel is over a given period of time. It includes both Wi-Fi and non-Wi-Fi interference sources. A high channel utilization indicates a congested channel and can result in poor wireless performance. The recommended maximum utilization value that an interface should not exceed is 65%.” Therefore, option D is true because it gives the recommended maximum utilization value for an interface in the 5 GHz range. Options A, B, and C are false because they give higher utilization values that can cause poor wireless performance.
https://docs.fortinet.com/document/fortiap/7.0.0/configuration-guide/734537/wireless-radio-settings#channel-uti

NEW QUESTION 3
Refer to the exhibits



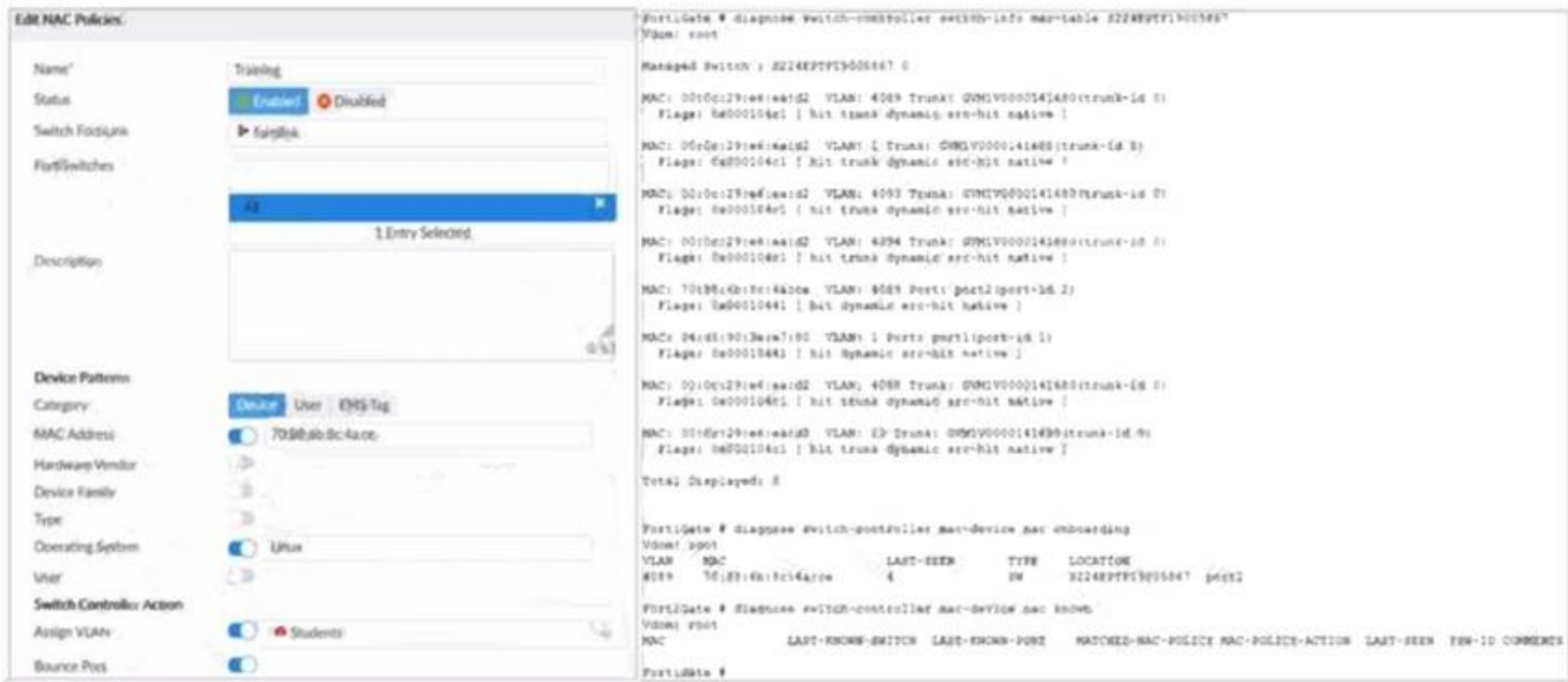
The exhibits show the wireless network (VAP) SSID profiles defined on FortiManager and an AP profile assigned to a group of APs that are supported by FortiGate
None of the APs are broadcasting the SSIDs defined by the AP profile
Which changes do you need to make to enable the SSIDs to broadcast?

A. In the SSIDs section enable Tunnel
B. Enable one channel in the Channels section
C. Enable multiple channels in the Channels section and enable Radio Resource Provision
D. In the SSIDs section enable Manual and assign the networks manually

Answer: B

Explanation:
According to the FortiManager Administration Guide1, “To enable the SSID, you must select at least one channel for the radio. If no channels are selected, the SSID will not be enabled.” Therefore, enabling one channel in the Channels section will allow the SSIDs to broadcast.

NEW QUESTION 4
Refer to the exhibit.



Examine the FortiManager configuration and FortiGate CLI output shown in the exhibit
An administrator is testing the NAC feature The test device is connected to a managed FortiSwitch device {S224EPTF19"53€7)onpOrt2
After applying the NAC policy on port2 and generating traffic on the test device the test device is not matching the NAC policy therefore the test device remains m the onboarding VLAN
Based on the information shown in the exhibit which two scenarios are likely to cause this issue? (Choose two.)

A. Management communication between FortiGate and FortiSwitch is down
B. The MAC address configured on the NAC policy is incorrect
C. The device operating system detected by FortiGate is not Linux
D. Device detection is not enabled on VLAN 4089

Answer: AB

Explanation:
According to the FortiManager configuration, the NAC policy is set to match devices with the MAC address of 00:0c:29:6a:2b:3c and the operating system of Linux.However, according to the FortiGate CLI output, the test device has a different MAC address of 00:0c:29:6a:2b:3d. Therefore, option B is true. Option A is also true because the FortiSwitch device status is shown as down, which means that the management
communication between FortiGate and FortiSwitch is not working properly. This could prevent the NAC policy from being applied correctly. Option C is false because the device operating system detected by FortiGate is Linux, which matches the NAC policy. Option D is false because device detection is enabled on VLAN 4089, as shown by the command “config switch-controller vlan”.

NEW QUESTION 5
Refer to the exhibits.

Firewall Policy

```
config firewall policy
    edit 11
        set name "Guest to Internal"
        set uuid c5e45130-aada-51e8-ee0c-bc1204f9f163
        set srcintf "guest"
        set dstintf "port3"
        set srcaddr "all"
        set dstaddr "FortiAuthenticator" "WindowsAD"
        set action accept
        set schedule "always"
        set service "ALL"
    next
end
```

Examine the firewall policy configuration and SSID settings
An administrator has configured a guest wireless network on FortiGate using the external captive portal The administrator has verified that the external captive portal URL is correct However wireless users are not able to see the captive portal login page
Given the configuration shown in the exhibit and the SSID settings which configuration change should the administrator make to fix the problem?

A. Disable the user group from the SSID configuration
B. Enable the captivs-portal-exempt option in the firewall policy with the ID 11.
C. Apply a guest.portal user group in the firewall policy with the ID 11.
D. Include the wireless client subnet range in the Exempt Source section

Answer: C

Explanation:
According to the FortiGate Administration Guide, “To use an external captive portal, you must configure a user group that uses the external captive portal as the authentication method and apply it to a firewall policy.” Therefore, option C is true because it will allow the wireless users to be redirected to the external captive portal URL when they try to access the Internet. Option A is false because disabling the user group from the SSID configuration will prevent the wireless users from being authenticated by the FortiGate device. Option B is false because enabling the captive-portal-exempt option in the firewall policy will bypass the captive portal authentication for the wireless users, which is not the desired outcome. Option D is false because including the wireless client subnet range in the Exempt Source section will also bypass the captive portal authentication for the wireless users, which is not the desired outcome.

NEW QUESTION 6
When you configure a FortiAP wireless interface for auto TX power control which statement describes how it configures its transmission power"?

A. Every 30 seconds the AP will measure the signal strength of the AP using the client The AP will adjust its signal strength up or down until the AP signal is detected at -70 dBm
B. Every 30 seconds FortiGate measures the signal strength of adjacent AP interfaces It will adjust its own AP power to match the adjacent AP signal strength
C. Every 30 seconds FortiGate measures the signal strength of adjacent FortiAP interfaces It will adjust the adjacent AP power to be detectable at -70 dBm
D. Every 30 seconds FortiGate measures the signal strength of the weakest associated client The AP will then configure its radio power to match the detected signal strength of the client

Answer: A

Explanation:
According to the FortiAP Configuration Guide1, “Auto TX power control allows the AP to adjust its transmit power based on the signal strength of the client. The AP will measure the signal strength of the client every 30 seconds and adjust its transmit power up or down until the client signal is detected at -70 dBm.” Therefore, option A is true because it describes how the FortiAP wireless interface configures its transmission power when auto TX power control is enabled. Option B is false because FortiGate does not measure the signal strength of adjacent AP interfaces, but rather the FortiAP does. Option C is false because FortiGate does not
adjust the adjacent AP power, but rather the FortiAP adjusts its own power. Option D is false becauseFortiGate does not measure the signal strength of the weakest associated client, but rather the FortiAP does.

NEW QUESTION 7
Which two statements about the MAC-based 802 1X security mode available on FortiSwitch are true? (Choose two.)

A. FortiSwitch authenticates a single device and opens the port to other devices connected to the port
B. FortiSwitch authenticates each device connected to the port
C. It cannot be used in conjunction with MAC authentication bypass
D. FortiSwitch can grant different access levels to each device connected to the port

Answer: BD

Explanation:
According to the FortiSwitch Administration Guide, “MAC-based 802.1X security mode allows you to authenticate each device connected to a port using its MAC address as the username and password.” Therefore, option B is true because it describes the MAC-based 802.1X security mode available on FortiSwitch. Option D is also true because FortiSwitch can grant different access levels to each device connected to the port based on the user group and security policy assigned to them. Option A is false because FortiSwitch does not authenticate a single device and open the port to other devices connected to the port, but rather authenticates each device individually. Option C is false because MAC-based 802.1X security mode can be used in conjunction with MAC authentication bypass (MAB) or EAP pass-through modes, which are fallback options for non-802.1X devices.

NEW QUESTION 8
Which EAP method requires the use of a digital certificate on both the server end and the client end?

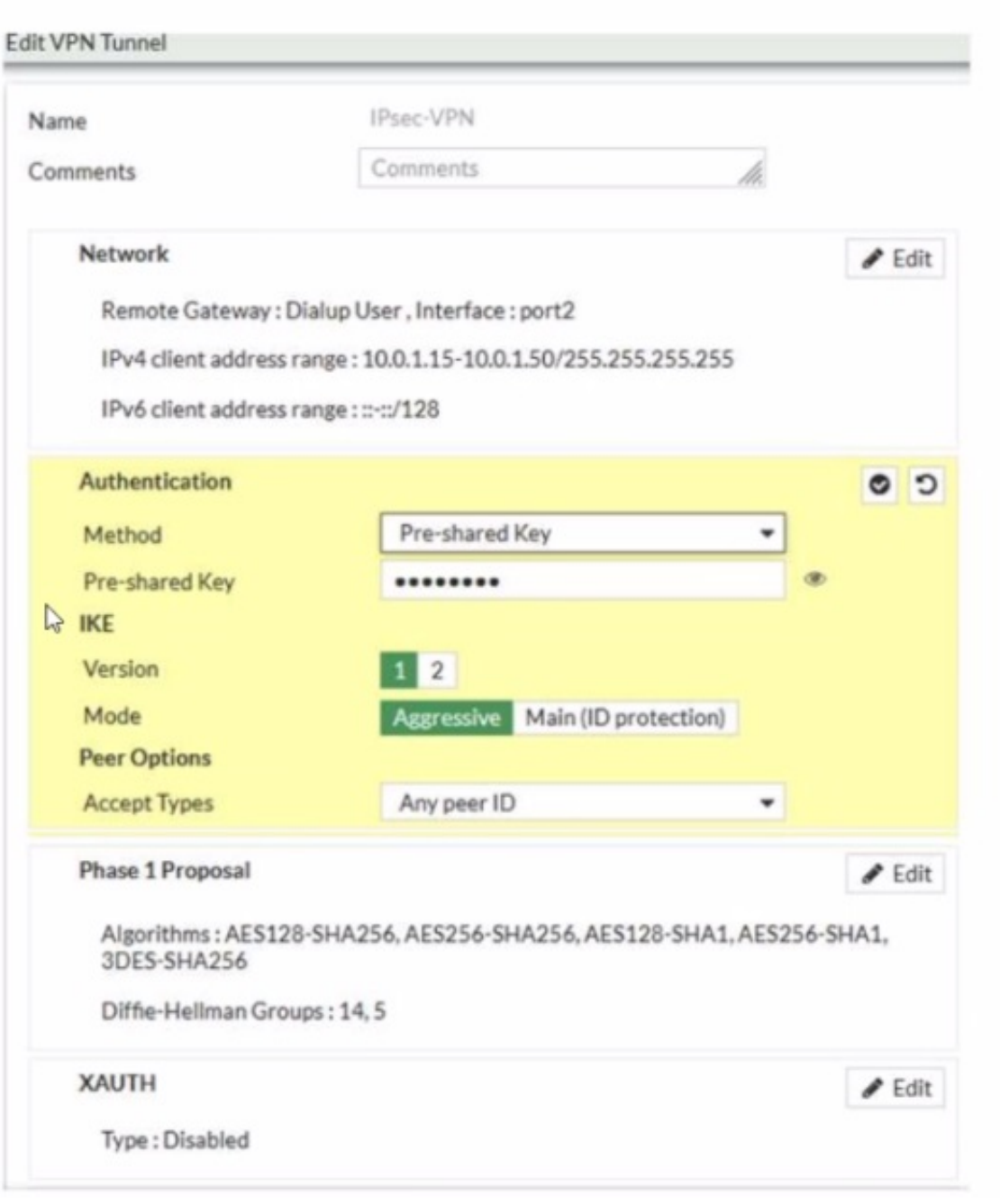
A. EAP-TTLS
B. PEAP
C. EAP-GTC

D. EAP-TLS

Answer: D

Explanation:
According to the FortiGate Administration Guide, “EAP-TLS is the most secure EAP method. It requires a digital certificate on both the server end and the client end. The server and client authenticate each other using
their certificates.” Therefore, option D is true because it describes the EAP method that requires the use of a digital certificate on both the server end and the client end. Option A is false because EAP-TTLS only requires a digital certificate on the server end, not the client end. Option B is false because PEAP also only requires a digital certificate on the server end, not the client end. Option C is false because EAP-GTC does not require a digital certificate on either the server end or the client end.

NEW QUESTION 9
Refer to the exhibit.



Examine the IPsec VPN phase 1 configuration shown in the exhibit
An administrator wants to use certificate-based authentication for an IPsec VPN user
Which three configuration changes must you make on FortiGate to perform certificate-based authentication for the IPsec VPN user? (Choose three)

A. Create a PKI user for the IPsec VPN user, and then configure the IPsec VPN tunnel to accept the PKI user as peer certificate
B. In the Authentication section of the IPsec VPN tunnel in the Method drop-down list select Signature and then select the certificate that FortiGate will use for IPsec VPN
C. In the IKE section of the IPsec VPN tunnel in the Mode field select Main (ID protection)
D. Import the CA that signed the user certificate
E. Enable XAUTH on the IPsec VPN tunnel

Answer: BDE

Explanation:
According to the FortiGate Administration Guide, “To use certificate-based authentication, you must configure the following settings on both peers: Select Signature as the authentication method and select a certificate to use for authentication. Import the CA certificate that issued the peer’s certificate. Enable XAUTH on the phase 1 configuration.” Therefore, options B, D, and E are true because they describe the configuration changes that must be made on FortiGate to perform certificate-based authentication for the IPsec VPN user. Option A is false because creating a PKI user for the IPsec VPN user is not required, as the user certificate can be verified by the CA certificate. Option C is false because changing the IKE mode to Main (ID protection) is not required, as the IKE mode can be either Main or Aggressive for certificate-based authentication.

NEW QUESTION 10
Which two statements about the guest portal on FortiAuthenticator are true? (Choose two.)

A. Each remote user on FortiAuthenticator can sponsor up to 10 guest accounts
B. Administrators must approve all guest accounts before they can be used
C. The guest portal provides pre and post-log in services
D. Administrators can use one or more incoming parameters to configure a mapping rule for the guest portal

Answer: CD

Explanation:
According to the FortiAuthenticator Administration Guide2, “The guest portal provides pre and post-log in services for users (such as password reset and token registration abilities), and rules and replacement messages can be configured.” Therefore, option C is true. The same guide also states that “Administrators can use one or more incoming parameters to configure a mapping rule for the guest portal.” Therefore, option D is true. Option A is false because remote users can sponsor any number of guest accounts, as long as they do not
exceed the maximum number of guest accounts allowed by the license. Option B is false because administrators can choose to approve or reject guest accounts, or enable auto-approval.

NEW QUESTION 10
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