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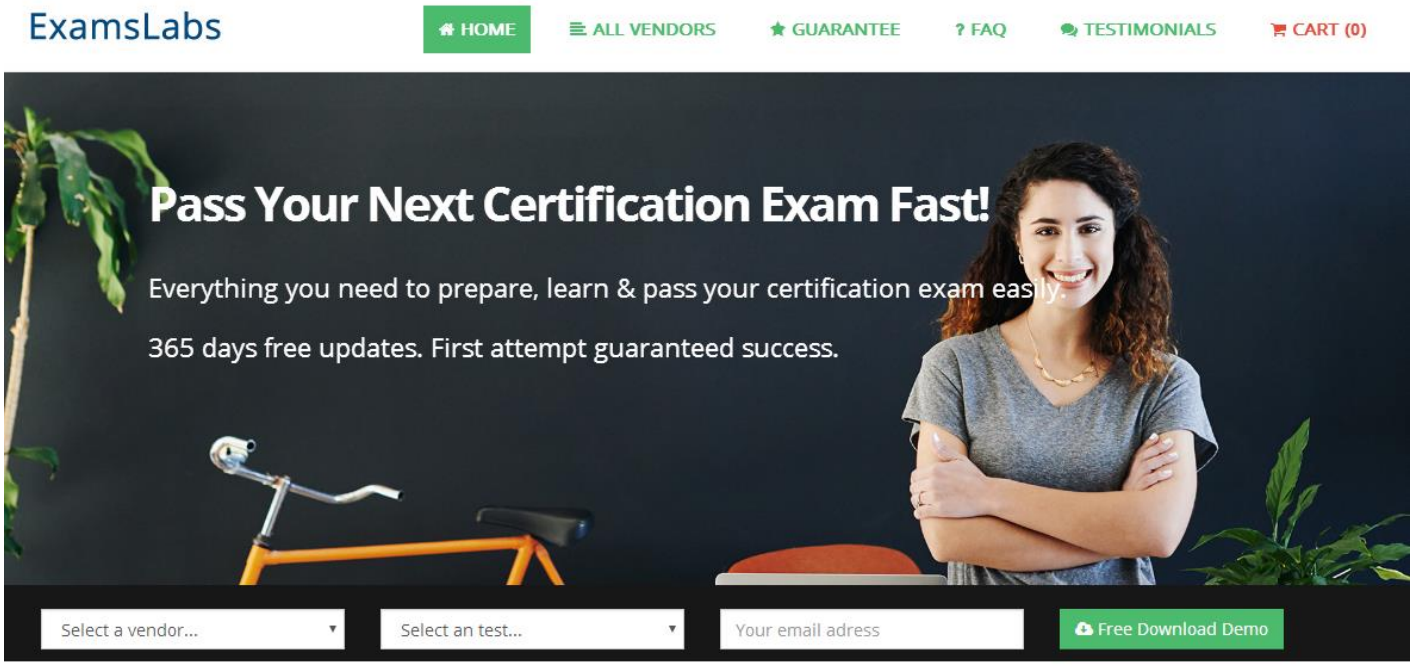

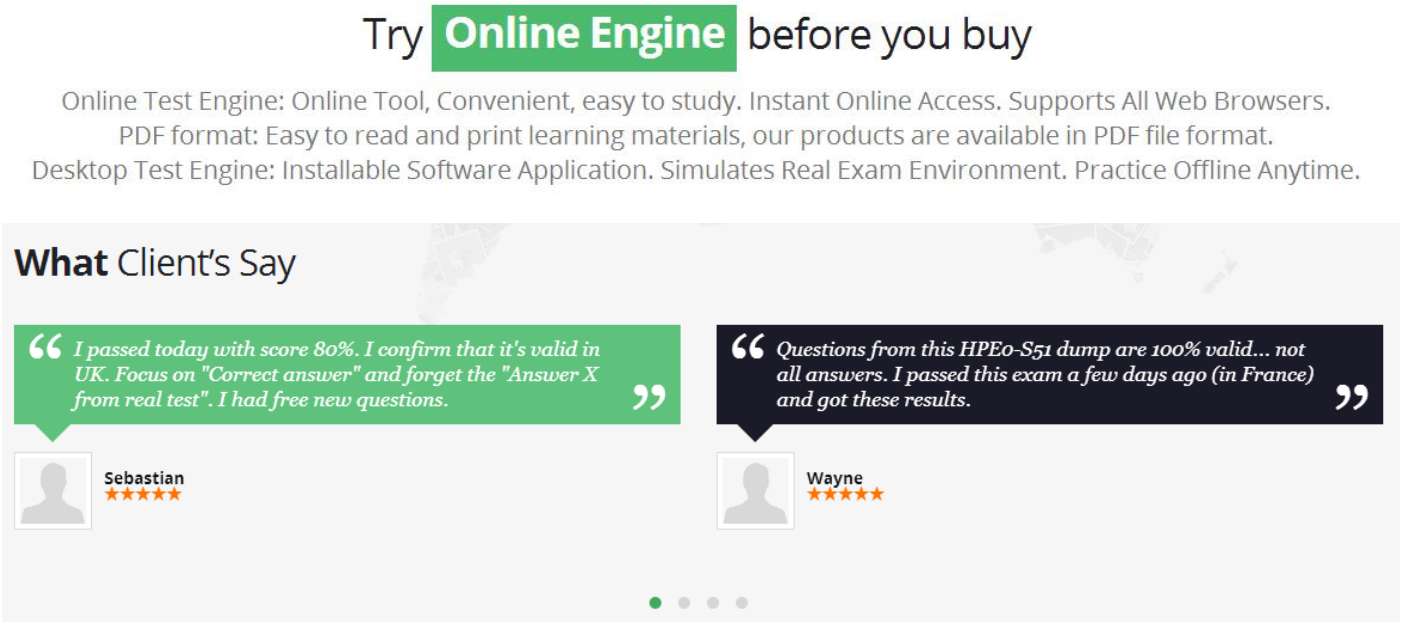

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Exam : **300-370**

Title : Troubleshooting Cisco Wireless Enterprise Networks

Vendor : Cisco

Version : DEMO

NO.1 Which two non-802.11 devices cause the least interference on 802.11 networks? (Choose two.)
A. microwave oven
B. electro-mechanical generator
C. wireless game controller
D. dual-tech motion detector
E. cellular mobile phone (nonsmartphone)
Answer: A,C

NO.2 An engineer is troubleshooting client issues and has found that DHCP proxy is enabled on the Cisco WLC by default. The Cisco WLC unicasts the packet to the DHCP server on the WLAN, but the DHCP server does not support the DHCP proxy. Which action fixes this issue?
A. Ensure that the switch ports that are connected to the Cisco WLC and the DHCP server are configured as a trunk.
B. Disable DHCP proxy on the Cisco WLC.
C. Ensure that the IP subnet of the WLAN is defined on the DHCP server.
D. Ensure that the DHCP clients are directly connected to the interface of the server.
Answer: B

NO.3 A WLAN was installed at a high AP density. DTPC is lowering the transmit power of many APs too low. Which change m the DTPC transmit power threshold must be made to allow APs to globally increase AP transmit power by 3dBm?
A. from -70 dBm to -73 dBm
B. from 70 dBm to 73 dBm
C. from -70 dBm to -67 dBm
D. from 70 dBm to 67 dBm
Answer: C

NO.4 An engineer has received an alarm on a wireless LAN controller and is unsure of its meaning. The engineer attempted to ping the wireless LAN controller interfaces. Which troubleshooting methodology does this action demonstrate?
A. bottom-up
B. top-down
C. shoot from the hip
D. divide and conquer
E. follow the path
Answer: D

NO.5 Two 5508 Wireless Lan Controllers are managing all Access Points throughout the network The WLCs are located in different locations to provide geographical redundancy A Mobility Group has been configured on both WLCs and has a UP status on both Controllers The APs m location A are statically configured to use Controller A as the Primary and Controller B as the Secondary If the WLC in location A goes offline, the APs successfully join the WLC m location B but they do not failover to

their Primary configured Controller What configuration task will fix this issue'

A. Use DHCP Option 43 and specify WLC in location A as Primary.

B. Configure the WLC in location A as Primary using the CAPWAP AP Controller IP Address command on all the location A Access Points.

C. Change the AP Failover Priority to critical.

D. Enable AP Fallback globally on the WLC.

Answer: B

NO.6 Some users are experiencing inconsistent performance on their mobile devices as they move throughout the building when browsing the Internet. Which feature provides a more consistent user experiences?

A. 802.11r

B. low RSSI check

C. RX-SOP

D. optimized roaming

Answer: D

NO.7 Refer to the exhibit.

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cf8)
2	0.000026000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cf8)
3	0.003835000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cf9)
4	0.003864000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cf9)
5	0.021887000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cfa)
6	0.021909000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cfa)
7	0.028005000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cfb)
8	0.028033000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cfb)
9	0.045915000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cfc)
10	0.045951000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cfc)
11	0.053857000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cfd)
12	0.053879000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cfd)
13	0.070381000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=0, ID=5cfe)
14	0.070406000	192.168.0.13	24.244.31.72	IPv4	1514	Fragmented IP protocol (proto=UDP 17. off=1480, ID=5cfe)

Wireless users notify the helpdesk of poor wireless performance. Based on the packet capture from a client PC, what is the cause of the connectivity issue?

A. MSS mismatch

B. UDP retransmissions

C. TCP retransmissions

D. MTU mismatch

Answer: D

NO.8 An engineer performed a packet capture of the wireless network and found very high retry rates in a high density 802.11 ac WLAN deployment due to overlapping basic service sets. Which change reduces the impact of this issue without creating possible coverage problems?

A. Disable data rates below 12 Mbps.

B. Utilize RxSOP.

C. Reduce the channel bandwidth.

D. Lower the 802.11a radio power.

Answer: C
Explanation:
https://www.bartleby.com/essay/Improving-the-Overlapping-Basic-Service-Set-Problem-P3LVW6AVJ
For 802.11ac to be effective, it requires minimum 80 MHz wide channel with optionally up to 160 MHz.
The increase in bandwidth leads to problems like OBSS. OBSS problem occur when two or more BSSs operate in same channel and are close to hear each other.

NO.9 Refer to the exhibit.

```
(Cisco Controller) > show ap join state detailed 00:ab:00:ab:00:ab

Discovery phase statistics
- Discovery requests received ..... 2
- Successful discovery responses sent ..... 1
- Unsuccessful discovery request processing..... 2234562
- Reason for last unsuccessful discovery attempt.....
    Discovery request received on unsupported VLAN
- Time at last successful discovery attempt.....
   Mar 06 19:03:50.779
- Time at last unsuccessful discovery attempt.....
   Mar 06 19:03:50.782

Join phase statistics
- Join requests received..... 1
- Successful join responses sent..... 0
- Unsuccessful join request processing..... 1
- Reason for last unsuccessful join attempt.....
   Certificate payload in join request contains
   invalid certificate
- Time at last successful join attempt.....
   Not applicable
- Time at last unsuccessful join attempt.....
   Mar 06 19:04:00.810

Configuration phase statistics
- Configuration requests received..... 2
- Successful configuration responses sent ..... 0
- Unsuccessful configuration request processing..... 0
- Reason for last unsuccessful configuration attempt....
    Not applicable
- Time at last successful configuration attempt.....
   Not applicable
- Time at last unsuccessful configuration attempt.....
   Not applicable

Last AP message decryption failure details
- Reason for last message decryption failure.....
   Not applicable

Last AP disconnect details
- Reason for last AP connection failure.....
   Not applicable

Last join error summary
- Type of error that occured last.....
   Lvapp join request rejected
- Reason for error that occured last.....
   Certificate payload in join request contains invalid
   certificate
- Time at which the last join error occured.....
   Mar 06 19:04:00:810
```

Which statement about the join process of the access point is true?
A. The AP moved from this controller to its primary controller.
B. The AP failed to join because the self-signed certificate of the AP was not correct on the controller.
C. The time on the controller is outside of the certificates validity time interval so the join phase failed.
D. The AP successfully joined the controller.
Answer: C

NO.10 An engineer wants to run the Voice Audit tool in PI and wants to be able to verify:
that clients will be capable of having static IPs
whether or not Call Admission Control is enabled
Which two rules field descriptions must be checked in the report? (Choose two.)
A. DHCP assignment
B. CAC: max bandwidth
C. ACM
D. DTPC
E. load-based CAC
Answer: A,E
Reference:
https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-2/reference/guide/pi_ref.pdf

NO.11 An engineer is trying to prime a lightweight access point running 8.2 code using the CLI with an IP address of 10.10.10.100/24. Which command set must the engineer input to manually configure this access point?

A. configure terminal
interface Dot11Radio0
ip address 10.10.10.100 255.255.255.0

B. configure terminal
interface BVI 1
ip address 10.10.10.100 255.255.255.0

C. enable
capwap ap ip address 10.10.10.100 255.255.255.0

D. enable
iwapp ap ip address 10.10.10.100 255.255.255.0

Answer: C

NO.12 An engineer is troubleshooting AP join issues on a wireless infrastructure. While gathering debugs, the engineer notices that one of the commands may generate an excessive an excessive amount of data on the console. Which command causes this to occur?

A. debug capwap packet enable

B. debug capwap events enable

C. debug capwap info enable

D. debug capwap errors enable

E. debug capwap detail enable

F. debug capwap payload enable

Answer: A

NO.13 All corporate-issued devices in your network have been configured with EAP-TLS authentication. They authenticate via wireless to an instance of Cisco ISE and AD authorization for the user profiles is un-configured. Which impact occurs to the authentication when a user's Active Directory username and password expires?

A. WLAN connectivity is not impacted because EAP-TLS uses certificates.

B. The user must change the password manually on their WLAN profile.

C. The ISE prompts the user for the new password.

D. The WLAN profile must be forgotten and reconfigured.

Answer: A

NO.14 Refer to the exhibit.

What is a possible reason why the non-root AP fails to associate to the root AP?

A. Eap_methods is misconfigured

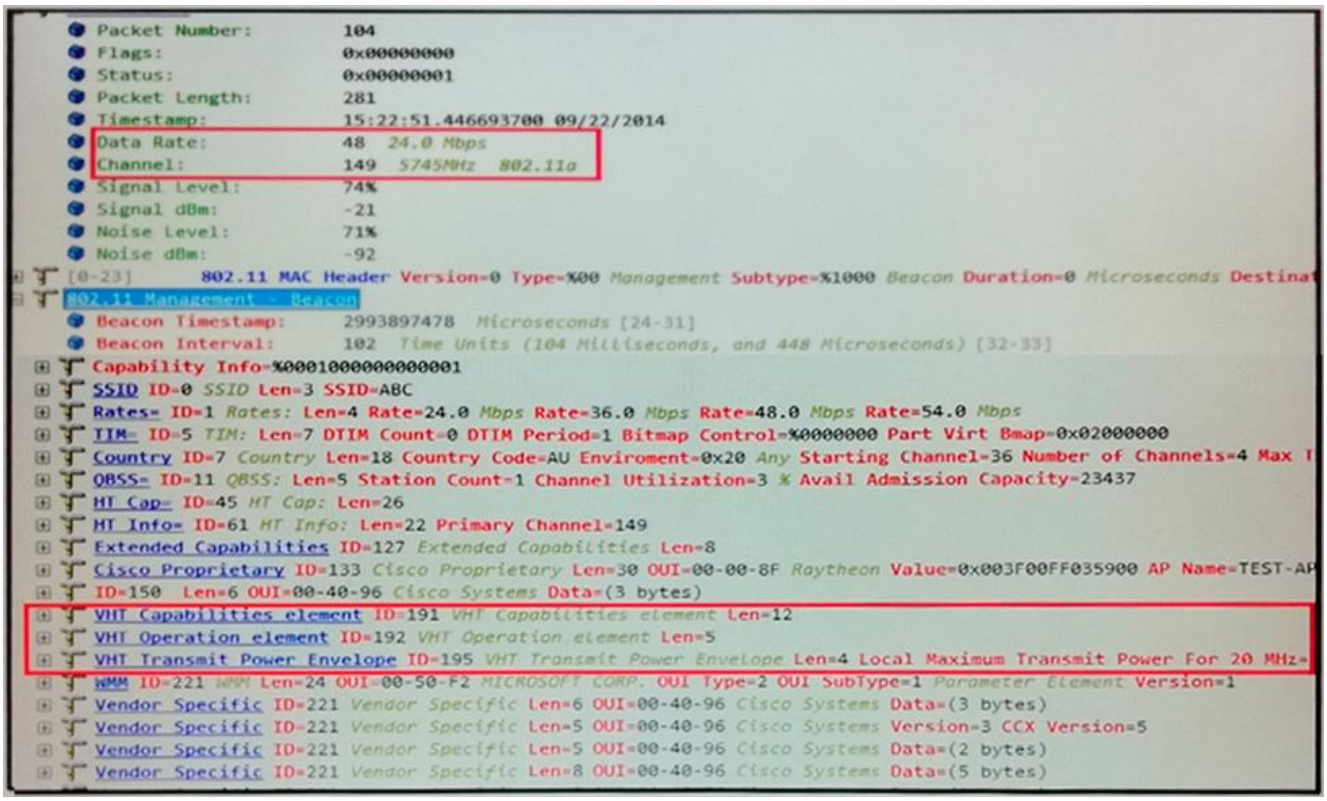
B. Invalid credentials are entered

C. An invalid PSK is configured

D. The authentication server failed to respond

Answer: A

NO.15 Refer to the exhibit.



What is the highest mandatory rate in Mpbs configured for the AP?

A. 54

B. 36

C. 24

D. 48

Explanation: This is the capture of a Beacon frame. As you can see it is transmitted at 24Mbps (highest mandatory rate configured on 802.11a band). Note that it is advertising VHT - 802.11ac capability

Answer: C

NO.16 Refer to the exhibit. Which option prevents the AP from completing the DTLS join process?

```
*Jan 15 22:29:04.847: AP has SHA2 MIC certificate - Using SHA2 MIC
certificate for DTLS.

*May 8 20:35:13.000: %CAPWAP-5-DTLSREQSEND: DTLS connection
request sent peer_ip: 192.168.10.6 peer_port: 5246
*May 8 20:35:13.207: %DTLS-5-ALERT: Received FATAL : Certificate
unknown alert from 192.168.10.6
*May 8 20:35:13.207: %DTLS-5-SEND_ALERT: Send FATAL : Close notify
Alert to 192.168.10.6:5246
```

A. The WLC has the incorrect date.

B. The SSC is not authorized.

C. The root CA is missing on the WLC.

D. An intermediary CA is missing on the WLC.

Answer: B