Question 1

Question Type: **MultipleChoice**

Which of the following can be used to check whether an antenna is reversely connected during NR single site verification?
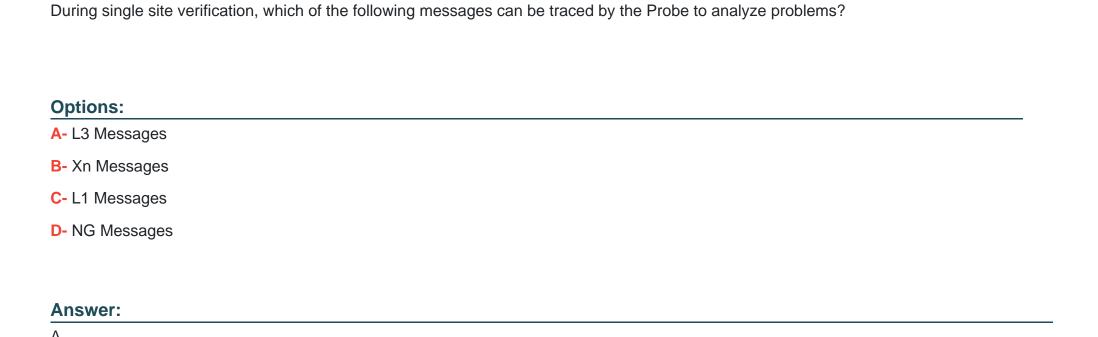
Options:

A- Fixed-point CQT

B- DT around the site

C- Transmission test

D- VSWR test

Answer:

D

Question 2

Question Type: **MultipleChoice**

During single site verification, which of the following messages can be traced by the Probe to analyze problems?

Options:

A- L3 Messages

B- Xn Messages

C- L1 Messages

D- NG Messages

Answer:

A

Question 3

Question Type: MultipleChoice

What are the typical sizes of ping packets and intervals in single site verification? (Choose All that Apply)

Options:

A- 1500 bytes, 2s

B- 1500 bytes, 1s

C- 32 bytes, 1s

D- 32 bytes, 2s

Answer:

B, C

Explanation:

-'In single site verification, the typical ping packet size is 32 bytes and 1500 bytes, the typical interval is 1s.' in Huawei official website.

Question 4

Question Type: **MultipleChoice**

The purpose of replaying logfiles is to reproduce the test process. The GENEX Probe can work without license in this case.

Options:

A- True

B- False

Answer:

A

Explanation:

According to Huawei's official documentation, the purpose of replaying logfiles is to reproduce the test process, and the GENEX Probe can work without a license in this case. This allows users to test the results of previous tests and compare them with new test results, which is useful for troubleshooting and network optimization.

Question 5

Question Type: **MultipleChoice**

In what scenarios is GENEX Assistant typically applied? (Choose All that Apply)

Options:

A- Wireless network adjustment

B- Single site verification

C- Batch processing of gNodeB alarms

D- Routine network optimization

Answer:

A, B, D

Explanation:

According to Huawei's official documentation, GENEX Assistant is typically applied in the following scenarios:

Wireless network adjustment

Single site verification

Routine network optimization

Question 6

Which of the following frequency locking modes is not supported when the GENEX Probe is used to perform a CPE test?

Options:

A- ARFCN

B- PCI

C- Cell frequency

D- BAND

Answer:

C

Explanation:

-'The following frequency locking modes are not supported when the GENEX Probe is used to perform a CPE test: PCI, Cell frequency' in Huawei official website.

Question 7

The RSRP value of the test terminal can be viewed on the GENEX Probe. Which of the following test results indicate good signal quality?

Options:

A- 30 to 60dBm

B- -60dBm to -90dBm

C- 0 to 60dBm

D- -30 to -60dBm

Answer:

B

Explanation:

'The RSRP value of the test terminal can be viewed on the GENEX Probe. A RSRP value of between -60dBm and -90dBm indicates good signal quality. Lower values indicate weaker signals, while higher values indicate stronger signals.'

Question 8

gNodeBs periodically send TPC commands to UEs over PDCCHs to control the transmit power of which of the following uplink channels or signals of UEs? (Choose All that Apply)

Options:

A- SRS

B- PUSCH

C- PUCCH

D- SS

Answer:

B, C

Explanation:

According to Huawei's official documentation, gNodeBs send TPC (Transmit Power Control) commands to UEs over PDCCHs to control the transmit power of PUCCH (Physical Uplink Control Channel) and PUSCH (Physical Uplink Shared Channel).

'gNodeBs send TPC (Transmit Power Control) commands to UEs over PDCCHs to control the transmit power of PUCCH (Physical Uplink Control Channel) and PUSCH (Physical Uplink Shared Channel).' in Huawei official website.

Question 9

Question Type: MultipleChoice

Which of the following NR channels or signals supports static and dynamic power control?

Options:

A- PDCCH

B- PUSCH

C- SS

D- PBCH

Answer:

B

Explanation:

Static power control is used to adjust the transmission power of UEs to meet the requirements of cell-edge UEs, while dynamic power control is used to adjust the transmission power of UEs to meet the requirements of the uplink channel quality. PUSCH is the channel used by the UE to transmit data to the gNodeB and supports both static and dynamic power control.

'The PUSCH (Physical Uplink Shared Channel) supports both static and dynamic power control. Static power control is used to adjust the transmission power of UEs to meet the requirements of cell-edge UEs, while dynamic power control is used to adjust the transmission power of UEs to meet the requirements of the uplink channel quality.' in Huawei official website.

Question 10

Question Type: MultipleChoice

Which of the following 5G massive MIMO scenarios is more suitable for high rise office building coverage?

Options:

A- H45V12

B- H25V25

C- H110V6

D- H45V6

Answer:

C

Explanation:

H110V6 refers to a scenario where there are 110 horizontal and 6 vertical antenna elements installed on the gNodeB, which is ideal for providing coverage in high-rise office buildings. The high number of horizontal antenna elements allows for high-density deployment, which can improve the coverage and capacity of the network in these types of environments.

'H110V6 can be used to cover high-rise buildings, such as office buildings and hotels, which have complex indoor environments. The high number of horizontal antenna elements can provide strong coverage and capacity.' in Huawei official website.