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IT exam study guide / simulations

Exam : **H35-580_V2.0**

Title : **HCIA-5G-RNP&RNO V2.0**

Vendor : **Huawei**

Version : **DEMO**

NO.1 Which of the following statements about the advantages of the Rayce ray tracing model are correct?(Select All that Apply)

- A.** It offers more accurate modeling for massive MIMO.
- B.** It offers more accurate path searching, reflection, and diffraction energy calculation for electromagnetic wave propagation.
- C.** It is applicable only to C-band, and not mmWave.
- D.** It offers higher level prediction accuracy.

Answer: B D

Explanation

The Rayce ray tracing model is a propagation model that computes propagation paths using 3-D environment geometry 3. It is based on the shooting and bouncing rays (SBR) method, which launches rays from the transmitter and traces their reflections and diffractions until they reach the receiver or are attenuated below a threshold 4. The Rayce ray tracing model offers more accurate path searching, reflection, and diffraction energy calculation for electromagnetic wave propagation than other models, such as empirical models or deterministic models 5. It also offers higher level prediction accuracy, especially for massive MIMO systems that use beamforming techniques 6. The Rayce ray tracing model is not applicable only to C-band, but also to mmWave and other frequency bands 7.

NO.2 Which of the following common messages need to be scheduled?(Select All that Apply)

- A.** Paging
- B.** RA Response
- C.** SIB
- D.** MIB

Answer: A C D

Explanation

According to the 5G NR Physical Layer Specifications, Paging, SIB, and MIB are common messages that need to be scheduled. Paging is a message that is used to notify a UE of incoming data or system information when it is in idle mode or connected mode inactive state. SIB stands for System Information Block, which is a message that contains various system parameters and configuration information for UEs. MIB stands for Master Information Block, which is a message that contains essential system information such as system frame number and subcarrier spacing. These common messages need to be scheduled because they are transmitted periodically and have fixed time-frequency resources.

NO.3 Which of the following items can be used for measurement evaluation in idle mode during coverage problem analysis?

- A.** OPPI
- B.** CSI-RSRP
- C.** SRS
- D.** SS-RSRP

Answer: D

Explanation

According to the HCIA-5G V2.0 Exam Outline, SS-RSRP is the reference signal received power of the

synchronization signal block (SSB) in NR systems. It can be used for measurement evaluation in idle mode during coverage problem analysis, which corresponds to option D. OPMI is an indicator of uplink interference power measurement, CSI-RSRP is the reference signal received power of the channel state information reference signal (CSI-RS), and SRS is the sounding reference signal. These indicators are used for measurement evaluation in connected mode, not idle mode, which correspond to options A, B, and C.

NO.4 Which of the following factors does not affect downlink coverage?

- A. Base station receive diversity gain
- B. Downlink path loss
- C. Downlink transmit power
- D. Antenna gain

Answer: A

Explanation

According to the HCIA-5G V2.0 Exam Outline, base station receive diversity gain is a factor that affects uplink coverage, not downlink coverage. Downlink coverage is affected by factors such as downlink path loss, downlink transmit power, and antenna gain, which correspond to options B, C, and D.

NO.5 Handover execution failures can use the counters to collect failure reasons in SA networking.

- A. True
- B. False

Answer: A

Explanation

According to the HCIA-5G V2.0 Exam Outline, handover execution failures can use the counters to collect failure reasons in SA networking, which corresponds to option A. The counters include N.HO.Exec.Fail.RadioResFail, N.HO.Exec.Fail.TAExceed, N.HO.Exec.Fail.NoRespFromUE, and N.HO.Exec.Fail.Other.

NO.6 CU-DU Split of a base station means that the base station's control plane functions and user plane functions are separated.

- A. True
- B. False

Answer: A

Explanation

According to the China's Approach to Military 5G Networks and Related Military Applications, CU-DU Split of a base station means that the base station's control plane functions (CU) and user plane functions (DU) are separated, which can improve network flexibility and scalability.