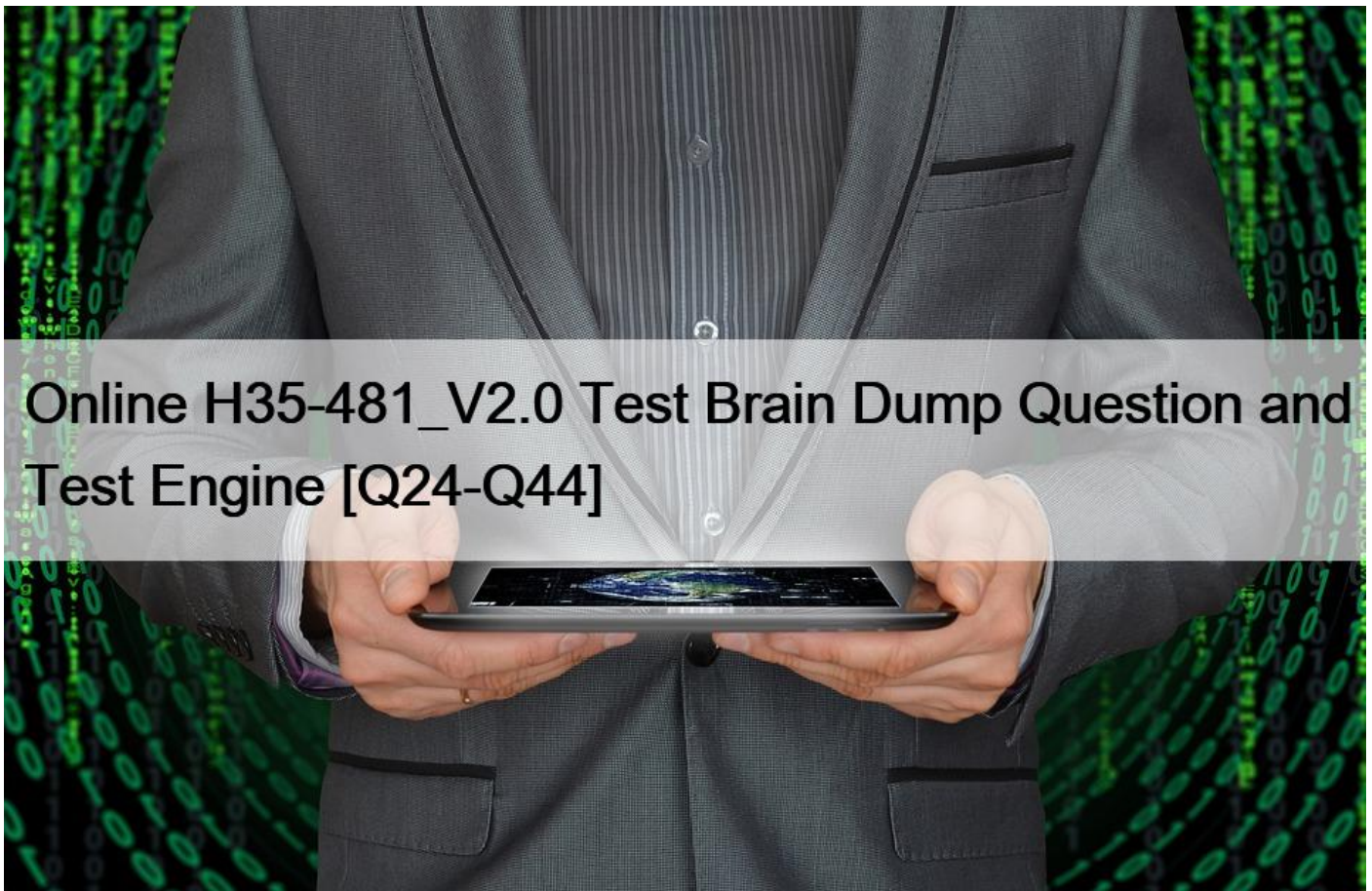


Online H35-481_V2.0 Test Brain Dump Question and Test Engine [Q24-Q44]



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NO.24 Which of the following are the functions of SRSs In NR?

- * Downlink beamforming weight calculation
- * Uplink grant
- * To obtain the uplink channel quality
- * Uplink beam management

NO.25 Which of the following X2 Interconnection solutions are supported by LTE and NR base stations?

- * Interconnection through RF modules
- * Interconnection through the a
- * Interconnected through the backplane in co-BBU separate-MPT scenarios
- * Interconnection through traditional IP RAN

Interconnection through RF modules (A) is also a supported solution for X2 interconnection between LTE and NR base stations. In this solution, the LTE and NR base stations are connected through RF modules, allowing them to share the same frequency band and resources. This solution is particularly useful for scenarios where there is a need for seamless interworking between LTE and NR networks, such as in the early stages of 5G deployment.

NO.26 Which of the following synchronization raster can be used by a UE during a cell search?

- * 17.28MHz
- * 1200kHz
- * 1.44MHz
- * 100kHz

NO.27 Which of the following parameters in core network subscription information restricts the non-GBR rate for a UE?

- * UE-AMBR
- * SINR
- * MBR
- * GBR

NO.28 Which of the following Information Is not carried In the DCI of NR?

- * PUSCH scheduling
- * PUSCH power control
- * PMI report
- * PDSCH scheduling

NO.29 When a GPS divider is used, the maximum distance between the GPS antenna and the BBU is shortened.

- * True
- * False

NO.30 Which of the following slots retains the same physical position on both the BBU5900 and BBU3910?

- * S1ot6
- * S1ot2
- * Slot7
- * Slot1

The Slot1 on both the BBU5900 and BBU3910 retains the same physical position. Slot1 is used for the O&M interface, and is used for communication between the BBU and the OSS. It supports the SFP/SFP+ optical modules for O&M communication.

NO.31 Which of the following scenario using the radio data planning file In the MAE-Deployment?

- * Configuration of parameters in multiple MOs
- * Batch reconfiguration of NEs
- * Reconfiguration of a single NE
- * Configuration of parameters in an MO

NO.32 Which of the following parameters In the NR MIB message indicates the time-domain position of CORESET

0?

- * System frame number
- * Most significant four bits of PDCCH-configSIB1
- * SSB-subcarrier offset
- * Least significant four bits of PDCCH-configSIB1

NO.33 Which of the following Information Is contained in a master Information block (MIB)?

- * System frame number
- * PDCCH ConfigSIB1
- * dmrs-TypeA-Position
- * Offset from PointA

In 5G NR, the master information block (MIB) is a control message that is transmitted by the base station on the Physical Broadcast Channel (PBCH). The MIB contains the following information:

1. System frame number: The MIB contains the system frame number (SFN) which is used to identify the current frame in the system.
2. PDCCH ConfigSIB1: The MIB contains the PDCCH (Physical Downlink Control Channel) configuration for the SIB1 (System Information Block 1) which is used to transmit system information to the UE.
3. dmrs-TypeA-Position: The MIB contains the position of the dmrs-TypeA (Diversity and Multiplexing Configuration Reference Signal) which is used to transmit a reference signal for demodulation and channel estimation.

NO.34 In SA networking, which of the following are required after the Pa reconfiguration of a 5G base station?

- * Checking whether cell-related alarms are reported.
- * Checking whether the PCI on the LTE side has taken effect on the NE.
- * Checking whether the 5G cell services are normal.
- * Checking whether the PCI on the NR side has taken effect on the NE.

NO.35 Which of the following statements about PDSCH DMRS is incorrect?

- * The start symbol of a front-loaded DMRS of a type B PDSCH is always the first symbol of PDSCH.
- * The front-loaded DMRS is mandatory, and the additional DMRS is optional.
- * The overhead of type 1 DMRS is less than that of type 2 DMRS.
- * The start symbol of a front-loaded DMRS of a type A PDSCH can be symbol 2.

The statement "The start symbol of a front-loaded DMRS of a type B PDSCH is always the first symbol of PDSCH" is incorrect. In 5G NR, the start symbol of a front-loaded DMRS of a type B PDSCH can be configured as the first symbol of PDSCH or as the second symbol of PDSCH.

You can refer to the Huawei official documentation for HCIP-5G-RAN V2.0 certification and the 3GPP 5G NR standard (38.211, 38.212, 38.213) for more information on PDSCH DMRS, including the configurations of the front-loaded DMRS, the DMRS symbols and the optional and mandatory nature of it.

Here are some official references:

Huawei HCIP-5G-RAN V2.0 certification page: <https://e.huawei.com/en/certifications/hcip-5g-ran-v2-0>

3GPP 5G NR standard: <https://www.3gpp.org/specifications/5g-nr-specifications>

NO.36 Which of the following 5G network technologies can reduce IoV latency?

- * MEC
- * NFV
- * Massive MIMO
- * SDN

MEC (Mobile Edge Computing) is a network technology that enables the deployment of computing and storage resources at the edge of the network, closer to the end-users. This can significantly reduce the latency for various applications, such as IoT, AR/VR and IoV. By moving the computing and storage resources closer to the end-users, the data can be processed and stored closer to the source, reducing the time and distance that the data needs to travel. This can reduce the overall latency and improve the user experience.

According to the official GSMA white paper on 5G and IoV, MEC can reduce latency by bringing computing resources closer to the edges of the network. This can be particularly beneficial for IoV applications, which require low latency and high reliability.

Additionally, NFV (Network Function Virtualization), Massive MIMO (Multiple Input Multiple Output) and SDN (Software Defined Networking) can also be used to improve performance and reduce latency in 5G networks. Reference: https://www.gsma.com/iot/wp-content/uploads/2019/06/GSMA_5G_IoV_White_Paper_Final.pdf

NO.37 Which of the following boards can be blocked by running the BLK BRD command?

- * BBP
- * DUPEU
- * AAU
- * RRU

NO.38 Which of the following commands is used to map DSCPs and VLAN priorities?

- * MOD PHBMAP
- * SET DSCPMAP
- * MOD DSCPMAP
- * SET PHBMAP

The SET PHBMAP command is used to map DSCPs and VLAN priorities. This command is used to configure the PHB mapping table for DSCP and VLAN priority, which will determine how the network will prioritize traffic.

https://www.etsi.org/deliver/etsi_tr/121900_121999/121915/15.00.00_60/tr_121915v150000p.pdf ETSI TR 121 915 V15.0.0 (2019-10)

https://www.etsi.org/deliver/etsi_tr/121900_121999/121915/15.00.00_60/tr_121915v150000p.pdf

<https://www.techtarget.com/searchnetworking/feature/5G-NSA-vs-SA-How-does-each-deployment-mode-differ>

5G NSA vs. SA: How does each deployment mode differ? | TechTarget

<https://www.techtarget.com/searchnetworking/feature/5G-NSA-vs-SA-How-does-each-deployment-mode-differ>

https://ngmn.org/wp-content/uploads/Publications/2018/180220_NGMN_PreCommTrials_Framework_definition_v1_0.pdf definition of the testing framework for the ngmn 5g pre-commercial …

https://ngmn.org/wp-content/uploads/Publications/2018/180220_NGMN_PreCommTrials_Framework_definition_v1_0.pdf

NO.39 Which of the following methods is recommended for modifying the cell bandwidths across the entire network during gNodeB data reconfiguration?

- * MAE-Deployment (radio network planning data file)
- * MAE-Deployment (batch reconfiguration)
- * MML
- * MAE-Deployment (batch reconfiguration + radio network planning data file)

NO.40 Which of the following are possible causes of NRDUCELL unavailability? (Choose All that Apply)

- * RF fault
- * BBP fault
- * Insufficient CPRI bandwidth
- * Clock exception

According to Huawei official documentation, the following are possible causes of NRDUCELL unavailability: A. RF fault B. BBP fault C. Insufficient CPRI bandwidth D. Clock exception. The RF, BBP, and CPRI bandwidth are all important factors that contribute to the availability of the NRDUCELL. If there is a problem with any of these components, it can cause the NRDUCELL to become unavailable. Additionally, a clock exception, such as an issue with the timing or synchronization of the cell, can also

cause the NRDUCELL to become unavailable.

NRDUCELL unavailability can be caused by an RF fault, a BBP fault, insufficient CPRI bandwidth, or a clock exception. According to this page, these are all possible causes of NRDUCELL unavailability.

NO.41 In the contention-based random access procedure, which of the following is related to the time-frequency position of the PRACH used by the UE?

- * PCI
- * BWP
- * SSB beam ID
- * C-RNTI

NO.42 The STR CROSFEEEDTST command can be used to check for crossed feeder connections of an AAU.

- * True
- * False

According to Huawei's documentation, the STR CROSFEEEDTST command can be used to check for crossed feeder connections of an AAU. It is used to check whether the feeder cables of different antennas are connected to the correct ports. The command can be executed on the AAU to detect crossed feeder connections and ensure that the feeder cables are connected to the correct ports.

NO.43 The PING, TRACERT, CFMTRACE, CFMPING, and UDPECHO commands cannot be executed simultaneously on the same board in a gNodeB.

- * True
- * False

The PING, TRACERT, CFMTRACE, CFMPING, and UDPECHO commands cannot be executed simultaneously on the same board in a gNodeB. Executing multiple commands at the same time can cause system instability, so it is not recommended to do so.

NO.44 5G can enable smart manufacturing and upgrade the manufacturing business model. Which of the following are smart manufacturing scenarios empowered by 5G?

- * Real-time operation guidance for industrial AR
- * Collaborative control between machines
- * Machine vision positioning & detection
- * Precise positioning and transportation

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