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As you may find on our website, we will never merely display information in our H12-831\_V1.0-ENU preparation guide. Our team of experts has extensive experience. They will design scientifically and arrange for H12-831\_V1.0-ENU actual exam that are most suitable for users. In the study plan, we will also create a customized plan for you based on your specific situation. And our professional experts have developed three versions of our H12-831\_V1.0-ENU Exam Questions for you: the PDF, Software and APP online.

Huawei H12-831\_V1.0-ENU Certification Exam covers a wide range of topics related to advanced routing and switching technologies, including BGP, OSPF, MPLS, QoS, VLAN, and VPN. H12-831\_V1.0-ENU exam also covers advanced network troubleshooting and optimization techniques. Candidates who pass the exam will be able to demonstrate their ability to design, implement, and troubleshoot complex network infrastructures.

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Huawei H12-831\_V1.0 certification exam is a comprehensive exam that covers a wide range of topics, including the configuration and troubleshooting of complex network environments. H12-831\_V1.0-ENU Exam consists of multiple-choice questions that test the candidate's knowledge of Huawei products and their ability to apply that knowledge to real-world scenarios.

Huawei H12-831\_V1.0-ENU (HCIP-Datacom-Advanced Routing & Switching Technology V1.0) Certification Exam is designed to test the advanced skills and knowledge of IT professionals in the field of data communication. HCIP-Datacom-Advanced Routing & Switching Technology V1.0 certification exam is a prestigious validation of a candidate's ability to design, implement, and troubleshoot complex data communication networks. It is an intermediate-level exam that will assess the practical knowledge of IT

professionals in configuring and managing advanced data communication solutions.

## **Huawei HCIP-Datacom-Advanced Routing & Switching Technology V1.0 Sample Questions (Q137-Q142):**

### **NEW QUESTION # 137**

Which of the following statements about MUX VLAN are correct? (Multiple choice)

- A. Separate VLAN can communicate with all VLANs in MUX VLAN
- B. Each Separate VLAN must be bound to a Principal VLAN
- C. Each Group VLAN must be bound to a Principal VLAN
- D. Principal VLAN can communicate with all VLANs in MUX VLAN

**Answer: B,C,D**

### **NEW QUESTION # 138**

According to this picture, what can we judge? (Multiple choice)



Interface information for ISIS(1)						
Interface	Id	IPv4.State	IPv6.State	MTU	Type	DIS
GE0/0/0	001	Up	Up	1497	L1/L2	No/N
GE0/0/1	002	Up	Up	1497	L1/L2	No/N
Loop0	001	Up	Up	1500	L1/L2	--

- A. The IS-IS interface type of GE0/0/1 of R1 is Level-1
- B. IS-IS IPv6 is enabled on GE0/0/0 of R1
- C. The IS-IS interface type of the GE0/0/0 interface of R1 is Level-1-2
- D. IS-IS IPv6 is not enabled on GE0/0/1 of R1

**Answer: B,C**

### **NEW QUESTION # 139**

The router ID of R4 is 10.0.4.4. The LSA shown in the figure is displayed in the LSDB of R4.



Intra-Area-Prefix-LSA (Area 0.0.0.1)							
HUawei							
Link State ID	Origin Router	Age	Seq#	CkSum	Prefix	Reference	
0.0.0.1	10.0.4.4	0477	0x80000008	0xf437	1	Router-LSA	
0.0.0.2	10.0.4.4	0481	0x80000002	0xcd87	1	Network-LSA	
0.0.0.3	10.0.4.4	0482	0x80000001	0x5017	1	Network-LSA	

Which of the following statements are true about the LSA?

- A. Area 1 is a stub area.

- B. R4 is the DR on a link.
- C. The three LSAs belong to area 1.
- D. No OSPFv3 neighbor relationship is established on at least one link of R4.

**Answer: B,C,D**

Explanation:

Comprehensive and Detailed In-Depth Explanation:

Understanding the LSA Table in the Figure

The LSDB (Link-State Database) of R4 displays an Intra-Area-Prefix-LSA for Area 0.0.0.1. The table contains:

- \* Three LSAs originating from R4 (10.0.4.4)
- \* Prefixes referencing both Router-LSAs and Network-LSAs
- \* Different Sequence Numbers and Checksums, indicating multiple link-state changes OSPFv3 LSA Types Relevant to the Question
- \* Router-LSA (Type 1)
- \* Generated by every router to describe its links within an area.
- \* Network-LSA (Type 2)
- \* Generated only by the Designated Router (DR) for multi-access networks (such as Ethernet).
- \* Advertises all routers connected to the same segment.
- \* Intra-Area-Prefix-LSA (Type 9)
- \* Advertises IPv6 prefixes associated with a Router-LSA (Type 1) or Network-LSA (Type 2).

Analysis of Each Statement

A: The three LSAs belong to area 1. # (True)

- \* The table explicitly shows "Intra-Area-Prefix-LSA (Area 0.0.0.1)", meaning all LSAs are for Area 1.

- \* The Link State IDs also indicate intra-area advertisements.

# Statement A is correct.

B: Area 1 is a stub area. # (False)

- \* There is no indication that Area 1 is a stub area.

- \* Stub areas do not receive Type 5 (External) LSAs, and the LSDB does not show Type 3 (Inter- Area) LSAs either.

- \* Network-LSAs (Type 2) are not typically seen in stub areas unless explicitly configured.

# Statement B is incorrect.

C: No OSPFv3 neighbor relationship is established on at least one link of R4. # (True)

- \* One LSA references a Router-LSA, while two reference Network-LSAs.

- \* A Router-LSA alone suggests that R4 has at least one point-to-point or unnumbered link with no OSPFv3 adjacency.

- \* This means R4 has an interface with no neighbor (e.g., a passive interface or down link).

# Statement C is correct.

D: R4 is the DR on a link. # (True)

- \* The presence of Network-LSAs (Type 2) indicates that a multi-access link exists.

- \* Since R4 is the origin of the Network-LSA, it must be the DR (Designated Router) for that link.

# Statement D is correct.

Final Conclusion:

- # A. The three LSAs belong to area 1. (True)
- # B. Area 1 is a stub area. (False)
- # C. No OSPFv3 neighbor relationship is established on at least one link of R4. (True)
- # D. R4 is the DR on a link. (True)

Thus, the correct answers are: A, C, D.

## NEW QUESTION # 140

As shown in the figure, a park has deployed IPv6 for business testing. The network has 4 routers. Run OSPFv3 to realize network interconnection. About the OSPFv3 network generated LSA. Which of the following statements is wrong?



- A. R2asA, R2 will produce Inter-Area-Prefix-LSA to describe Area 1 of Pv6 address prefix, and advertise it to R1 and R3
- B. R1 will produce Router-LSA describing the device interface information, which will be received at the same time R2 and R3 produced Router-LSA
- C. R1 of LSDb has R3 produced Network LSA, illustrating R3 may be from this link DR
- D. R1 will receive R2 produced 2 individual Link-LSA. Describe separately R2 information about the two links connected

**Answer: D**

#### NEW QUESTION # 141

In the preparation phase of a migration project, the software and hardware need to be checked. Match the operation objects in the preparation phase with the corresponding operation contents.

Network cable		Check the size of the software package and check whether the file matches the device model.
Device version file		Install the board on a device that is not connected to the network and observe the running status of the device.
Board		Use a tester to check connectivity.
License		Check whether the license is in the validity period to prevent device functions from being affected.
Migration personnel list		Check whether responsibilities and permissions are clearly assigned.

**Answer:**

Explanation:

Network cable	Device version file	Check the size of the software package and check whether the file matches the device model.
Device version file	Board	Install the board on a device that is not connected to the network and observe the running status of the device.
Board	Network cable	Use a tester to check connectivity.
License	License	Check whether the license is in the validity period to prevent device functions from being affected.
Migration personnel list	Migration personnel list	Check whether responsibilities and permissions are clearly assigned.

#### Explanation:

Network cable # Use a tester to check connectivity.

Device version file # Check the size of the software package and check whether the file matches the device model.

Board # Install the board on a device that is not connected to the network and observe the running status of the device.

License # Check whether the license is in the validity period to prevent device functions from being affected.

Migration personnel list # Check whether responsibilities and permissions are clearly assigned.

#### Comprehensive and Detailed In-Depth Explanation:

##### 1. Network Cable - Connectivity Testing:

- \* Before starting a migration project, all network cables should be tested for physical connectivity issues.
- \* Network testers can be used to detect any breaks, shorts, or incorrect wiring.
- \* Ensuring proper connectivity avoids delays and troubleshooting issues during the migration.

##### 2. Device Version File - Software Compatibility Check:

- \* Firmware and software versions must be verified before upgrading or migrating network devices.
- \* The device version file should match the model and hardware specifications to avoid compatibility issues.
- \* If incorrect software is used, the device may not function properly or could become inoperable.

##### 3. Board - Installation and Hardware Verification:

- \* Before installing new hardware modules (boards, line cards, etc.) into a production environment, they should be tested in isolation.
- \* Testing ensures the board is operational and does not introduce faults into the system.
- \* If a board is faulty, it can cause device failure or unexpected behavior in the migration.

##### 4. License - Validity and Activation Check:

- \* Some network devices require licenses for full functionality (e.g., advanced routing, security features).
- \* If a license is expired or missing, critical functions may be disabled after migration.
- \* Checking license status in advance prevents unexpected downtime or service disruptions.

##### 5. Migration Personnel List - Roles and Responsibilities Assignment:

- \* Large network migrations require clear responsibility assignments for each team member.
- \* A migration personnel list ensures that everyone knows their role, tasks, and permissions.
- \* Proper coordination avoids miscommunication, errors, and project delays.

#### Key Takeaways:

- # Network cables should be tested for connectivity.
- # Software versions should match the hardware model to prevent incompatibility.
- # Hardware boards should be tested before installing into production.
- # Licenses should be verified to prevent service disruptions.
- # Migration personnel roles should be clearly defined for smooth execution.

#### HCIP-Datacom-Advanced Routing & Switching Technology References:

\* Huawei HCIP-Datacom Official Certification Guide, Chapter on Network Migration Best Practices

- \* Huawei Enterprise Networking Whitepapers, Guidelines on Software & Hardware Pre-checks for Migration.
- \* Huawei Technical Documentation, License Management in Huawei Datacom Devices.

#### NEW QUESTION # 142

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