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H12-821_V1.0-ENU HCIP-Datacom Exam

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1. Which of the following attribute must be carried in an Update message?

- A. Local-pref
- B. Prefval
- C. MED
- D. AS-Path

Answer: A

2. Compared with STP, RSTP defines the different port states .

Which of the following statements regarding discarding and learning states are true?

- A. The port In discarding or learning state does not forward data frames.
- B. The port in discarding state does not learn MAC addresses table.
- C. The port in discarding or learning state does not learn MAC addresses
- D. The port In learning stole docs not learn MAC addresses table.

Answer: C

3. DRAG DROP

Drag the following VRRP states to the corresponding working mechanisms.

Master	Replies to an ARP request carrying the virtual IP address with the virtual MAC address.
Backup	Does not reply to an ARP request carrying the virtual IP address with the virtual MAC address.
	Forwards IP packets whose destination MAC addresses are the virtual MAC address.
	Discards IP packets whose destination MAC addresses are the virtual MAC address.

Answer:



4. After which of the following parameters are modified does an IS-IS neighbor relationship need to re-established?

- A. The cost of an IS-IS interface is changed.
- B. The IP address of an ISIS interface is changed.
- C. The level of an ISIS interface is changed.
- D. The interval at which an IS-IS interface sends IIH packets is changed.

Answer: C

5. In BGP, the origin attribute of the routes imported using the import-route command is incomplete.

- A. TRUE
- B. FALSE

Answer: A

6. Which of the following statements is false, based on the following IGMP information on an interface of RTA?

```
<RTA>display igmp interface
Interface information of VPN-Instance: public net
GigabitEthernet0/0/1(192.168.1.1):
  IGMP is enabled
  Current IGMP version is 2
  IGMP state: up
  IGMP group policy: none
  IGMP limit: -
  Value of query interval for IGMP (negotiated): -
  Value of query interval for IGMP (configured): 60 s
  Value of other querier timeout for IGMP: 0 s
  Value of maximum query response time for IGMP: 10 s
  Querier for IGMP: 192.168.1.1 (this router)
```

- A. The interval for sending group-specific Query messages is 60s.
- B. The maximum time for response to Query messages is 10s.
- C. The IP address of the interface is 192.168.1.1.
- D. The IGMP version is IGMPV2.

Answer: B

7. In a route-policy, which of the following BGP attributes can be used in apply clauses?

- A. MED
- B. AS_Path
- C. Tag
- D. Local-Preference

Answer: A,B,D

8. If a router ID is configured in both the system view and the BGP view, BGP uses the router ID configured in the BGP view because the BGP view takes precedence over the system view.

- A. TRUE
- B. FALSE

Answer: B

9. Which of the following statements regarding the summary automatic command and BGP route summarization is false?

- A. After this command is configured, BGP sends only the summarized routes to peers
- B. This command is used to implement automatic summarization. Automatic

summarization takes precedence over manual summarization

C. This command enables automatic summarization for the locally imported routes

D. After this command is configured, BGP summarizes routes based on natural network segments

Answer: D

10. Which of the following statements about WLAN roaming are true?

A. APs for roaming do not need to have overlapping signal coverage.

B. APs for roaming must be in the same extended service set (ESS).

C. APs for roaming must have overlapping signal coverage.

D. APs for roaming must be in the same basic service set (BSS).

Answer: A

11. A local router runs IS-IS and its command output is shown in the following figure .

```
<R1>display isis interface verbose
Interface information for ISIS(1)
-----
Interface      Id      IPV4.State      IPV6.State      Type  DIS
S4/0/0         001      Up              Down            L1
Circuit MT State : Standard
IP Address       : 10.0.12.1
Csnp Timer Value : L12  10
Hello Timer Value : 10
DIS Hello Timer Value :
Hello Multiplier Value : 3
Cost             : L1  10 L2  10
Ipv6 Cost        : L1  10 L2  10
Retransmit Timer Value : L12  5
Extended-Circuit-Id Value : 0000000001
```

Which of the following statements is true?

A. The circuit level of S4/0/0 is Level-1.

B. S4/0/0 supports IPv6.

C. S4/0/0 sends IIH packets at the interval of 30s.

D. The cost of S4/0/0 is 20.

Answer: C

12. RSTP provides different functions in different scenarios .

Which of the following statements is false?

- A. After TC-BPDU attack defense function is enabled, you can set the number of times the switch processes TC BPDUs within a certain period
- B. The role of the designated port that is enabled with root protection cannot be changed
- C. If the edge port on the switch enabled with BPDU protection receives RST BPDU, the switch sets the edge port as a non-edge-port and triggers STP calculation
- D. When the designated port enabled with root protection receives optimal RST BPDUs, the port enters the Discarding state and does not forward packets. If the port does not receive optimal RST BPDUs within a certain period of time, the port will automatically restore to the Forwarding state

Answer: C

13. According to BGP route selection rules, the route with the higher Local_Pref is preferred.

- A. TRUE
- B. FALSE

Answer: A

14. Which of the following statements is false?

- A. If the current DR fails, the current BDR automatically becomes a new DR, and a BDR will be elected again.
- B. A device with a higher router priority has a higher election priority.
- C. When a router with the highest router priority joins an OSPF network, this router will become the new DR.
- D. If two devices have the same router priority, the device with a larger router ID has a higher election priority.

Answer: A

15. Which of the following TLVs is used by ISIS to describe the IP address of an interface?

- A. 129
- B. 131
- C. 128
- D. 132

Answer: D

16. When a routing policy is used to filter routes, which of the following route prefixes will be denied by the IP prefix below?

```
[HUAWEI]ip ip-prefix aa index 10 permit 1.1.1.1 24 greater-equal 26 less-equal 32
```

- A. 1.1.1.1/26
- B. 1.1.1.2/16
- C. 1.1.1.1/32
- D. 1.1.1.1/24

Answer: D

17. BFD control packets are encapsulated in UDP packets for transmission . What is the destination port number of multi-hop BFD control packets?

- A. 4784
- B. 3784
- C. 5784
- D. 2784

Answer: A

18. In the OSPF protocol, inter-area route calculation involves only Router LSA, Network LSA, and Summary LSA.

- A. TRUE
- B. FLASE

Answer: A