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**Exam** : **SU0-221-ENU**

**Title** : HCDP-IERN(Implementing  
Enterprise Routing Network)

**Version** : DEMO

1. Which Support CIDR routing protocol ( ) ?

- A.RIPv1
- B.OSPF
- C.ISIS
- D.BGP4

**Answer: BCD**

2. NE20E forwarding performance and bus bandwidth is ( ) .

- A.4.5Mpps, 8Gbps
- B.4.5Mpps, 40Gbps
- C.6Mpps, 8Gbps
- D.6Mpps, 40Gbps

**Answer: C**

3. Huawei router Qos physical port queue of technical support, ( ) scheduling technology is often used to the circulation of EF .

- A.LLQ
- B.PQ
- C.WFQ
- D.GQ

**Answer: B**

4. Judge: By default, OSPF port costs related to the bandwidth of the port, calculation formula is: bandwidth - reference/bandwidth.

- A.True
- B.False

**Answer: A**

5. Which of the following description is not correct about OSPF message? ( )

- A.The election of big router Priority Priority is higher
- B.Router Priority as large , Router ID greater electoral priority higher
- C.If the current DR fault ,the current BDR automatically become the new DR, in the network to elect BDR again
- D.If the current BDR fault, DR unchanged, waiting for the BDR fault recovery, not elect BDR again

**Answer: D**

6. OSPF neighbor cannot be established, the display OSPF error given the following information, the reason may be ( ).

[RTB]display ospf error

OSPF Process 1 with Router ID 2.2.2.2

OSPF error statistics:

General packet errors:

0	: IP: received my own packet	0	: Bad packet
0	: Bad version	0	: Bad checksum

7	: Bad area id	0	: Drop on unnumbered interface
0	: Bad virtual link	0	: Bad authentication type
0	: Bad authentication key	0	: Packet too small
0	: Packet size > ip length	0	: Transmit error
0	: Interface down	0	: Unknown neighbor

HELLO packet errors:

0	: Netmask mismatch	0	: Hello timer mismatch
0	: Dead timer mismatch	0	: Extern option mismatch
9	: Router id confusion	0	: Virtual neighbor unknown
0	: NBMA neighbor unknown		

DD packet errors:

0	: Neighbor state low	0	: Router id confusion
0	: Extern option mismatch	0	: Unknown LSA type
0	: MTU option mismatch		

LS ACK packet errors:

0	: Neighbor state low	0	: Bad ack
0	: Duplicate ack	0	: Unknown LSA type

LS REQ packet errors:

0	: Neighbor state low	0	: Empty request
0	: Bad request		

LS UPD packet errors:

0	: Neighbor state low	0	: Newer self-generate LSA
0	: LSA checksum bad	0	: Received less recent LSA
0	: Unknown LSA type		

Opaque errors:

0	: 9-out of flooding scope	0	: 10-out of flooding scope
0	: 11-out of flooding scope		

Retransmission for packet over Limitation errors:

0	: Number for DD Packet	0	: Number for Update Packet
0	: Number for Request Packet		

Receive Grace LSA errors:

0	: Number of invalid LSAs	0	: Number of policy failed LSAs
0	: Number of wrong period LSAs		

Configuration errors:

0 : Tunnel cost mistake  
 0 : The network type of the neighboring interface is not consistent.

A.Router ID conflict

B.Area ID does not match

- C.netmask inconsistent
- D.Authentication type inconsistent

**Answer: A**

7. Which description is wrong about OSPF protocol ?( )

- A. the first kind of exterior routing overhead value is AS internal overhead (router to ASBR overhead) and AS the sum of external costs
- B. the second kind of exterior routing overhead value is just the AS external overhead costs
- C. exterior routing overhead value is the sum of the AS exterior routing overhead and equipment to the routing overhead of ASBR
- D.Forwarding Address is set to non-zero necessary condition is introduced to the outside of OSPF routing next jump in OSPF routing domain

**Answer: C**

8. The pre-condition of IS-IS protocol in the interface is that the interface has been configured with the IP address.

- A.True
- B.False

**Answer: B**

9. Which description is incorrect about ISIS PSNP message ?( )

- A. PSNP messages on P2P links can make the request and response messages
- P. PSNP message on broadcast networks can be a request message
- C. IS router does not receive a response in the P2P link , the IS will repeatedly send PSNP message
- D. PSNP message can carry authentication TLV

**Answer: C**

10. Which of the following description is wrong about the similarity of OSPF and IS-IS protocols?

- A. IGP are widely used, all link-state protocol
- B. all support IP environment
- C. all use the layered design and regional design
- D. interfaces are based on regionalism

**Answer: D**

11. The serial number of the LSP will increase by 1, when the sequence number value maximum, Which of the description below is not correct ?( )

- A. The LSP immediately removed from the LSDB, ISIS process is working properly
- B. the ISIS process will fail MAXAGE time, so that the old LSP removed from all LSDB
- C. ISIS process reset, LSP serial number recovery 0 x1, increasing again
- D. the ISIS process will fail MAXAGE + ZeroAgeLifetime time, so that the old LSP removed from all LSDB

**Answer: ABC**

12. BGP protocol supports a message periodically sent between BGP neighbor relationship to maintain the connection . This message is ( ) .

- A.Open
- B.Hello
- C.Route-refresh
- D.Keepalive

**Answer: D**

13. About BGP routing rules, which of the following statements are true ( ) .

- A. First, ignore the next hop routing unreachable
- B. aggregate route in preference to non- aggregated route
- C. EBGP routing better than IBGP routing
- D. if it meets the requirements of equivalent routing, shorter Cluster-List length is preferred

**Answer: ABCD**

14. The state of the BGP neighbors build has:

- 1.Active
- 2.OpenConfirm
- 3.Idle
- 4.Establish
- 5.OpenSent

To build a successful connection through the state machine sequence is ( ) .

- A.3-5-2-1-4
- B.3-1-5-2-4
- C.1-3-5-2-4
- D.3-1-2-5-4

**Answer: B**

15. About BGP build process, which of the following description is correct ( ) .

- A.BGP neighbor build may exist in the process of the two TCP connections
- B.If BGP neighbor established two TCP connections, a connect as the main, another as a backup
- C.If BGP neighbor established two TCP connections, will be closed by one of the principles of conflict management
- D.BGP TCP principles of conflict is reserved BGP ID big neighbor to initiate a TCP connection

**Answer: ACD**

16. Use the default route between the routers is a low-cost solution,because it needs less system resources than the full routing table .

- A.True
- B.False

**Answer: A**

17. Which of the following strategies to specify the path of the packet forwarding does not policy-based-route support ? ( ) .

- A. the source address
- B. the port number

- C. the destination address
- D. message length

**Answer: B**

18. Which issued the default routing does OSPF support in the following? ( )

- A. issued in the ABR
- B. issued on ASBR
- C. issued compulsory
- D. not issued

**Answer: ABCD**

19. For multicast MAC address, which of the following is true ( ).

- A. High 24bit of multicast MAC address is 0x01005e, low 23bit of MAC address is a multicast IP address low 23bit
- B.1 multicast MAC address corresponding to 32 IP multicast addresses
- C. The role of the multicast MAC address is in the link layer identifies the recipient belongs to the same multicast group
- D.1 multicast MAC address is unique to an IP multicast address

**Answer: ABC**

20. A company for some remote small site reserved segment 172.29.100.0/26, each site has 5 IP devices connected to the network, which of the following VLSM mask can provide a minimum number of hosts that needs? ( )

- A./27
- B./28
- C./29
- D./30

**Answer: C**