

Vendor: Huawei

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QUESTION 1

Which of the following statements about a Smart Link group are true?

- A. Smart Link group consists of a maximum of two interfaces. Where there are two interfaces, one is an active interface, and the other a standby interface.
- B. Of the two interfaces in a Smart Link group, one is active, and the other is standby.
- C. When an active interface goes Down, the Smart Link group automatically blocks it and changes the status of the standby interface to active.
- D. When an active interface recovers, the standby interface is blocked and traffic is switched back to the active interface.

Correct Answer: ABC

QUESTION 2

Which of the following statements about Flush packets in a Smart Link group are true?

- A. A Smart Link group sends Flush packets to instruct other devices to update the address table.
- B. Flush packets use IEEE 802.3 encapsulation*
- C. The destination MAC address of Flush packets is an unknown unicast address, which is used to distinguish protocols.
- D. The destination MAC address of Flush packets is a special multicast address, which is used to distinguish protocols.

Correct Answer: ABC

QUESTION 3

When links are switched in a Smart Link group, which of the following mechanisms can be used to refresh MAC and ARP entries?

- A. MAC and ARP entries are refreshed automatically with respect to traffic.
- B. The Smart Link group uses a new link to send Flush packets.
- C. MAC entries are refreshed after the aging time expires.
- D. ARP entries are refreshed after the aging time expires

Correct Answer: ABC

QUESTION 4

Which of the following statements about link aggregation are true?

- A. link aggregation binds a group of physical interfaces together as a logical interface to increase the bandwidth and reliability.
- B. Link aggregation complies with IEEE 802.3ah.
- C. The logical link formed by bundling multiple physical links together is called a link aggregation group (LAG) or a trunk.
- D. Active and inactive interfaces exist in link aggregation. Active interfaces forward data, whereas inactive interfaces do not.

Correct Answer: ABCD

QUESTION 5

Which of the following statements about link aggregation are true?

- A. link aggregation can be performed in manual load balancing or LACP mode. In manual load balancing mode, LACP is disabled; in LACP mode, LACP is enabled.
- B. In manual load balancing mode, all active member interfaces forward data and perform load balancing.
- C. In static LACP mode, the creation of the Eth-Trunk and the addition or member interfaces to the Eth-Trunk are performed manually. Compared with link aggregation in manual load balancing mode, active interfaces in static LACP mode are selected by sending LACP Data Units (LACPDU).
- D. In dynamic LACP mode, the creation of the Eth-Trunk, the addition of member interfaces, and the selection of active interfaces are performed based on LACP negotiation.

Correct Answer: ABCD

QUESTION 6

Which of the following statements about LACP are true?

- A. It complies with IEEE 802.3ad.
- B. A device enabled with LACP exchanges Link Aggregation Control Protocol Data Units (LACPDU) with its peer.
- C. Devices at both ends determine the active interface according to the interface priority of the active device.

Correct Answer: ABC

QUESTION 7

Which of the following reliability designs are related to routers?

- A. Reliability design of the system and hardware
- B. Reliability design of the software
- C. Reliability test authentication
- D. Reliability design of the IP network

Correct Answer: ABCD

QUESTION 8

Which of the following can speed up OSPF fast convergence?

- A. Configuring dynamic BFD for OSPF
- B. Adjusting the interval at which OSPF calculation is performed
- C. Configuring the interval at which an LSA are retransmitted
- D. Configuring the maximum number of external LSAs in the LSDB

Correct Answer: AB

QUESTION 9

When the GR Restarter performs the active/standby switchover, the neighbor performs which of the following operations when detecting that a TCP disconnection?

- A. Keeping the routing tables of various address families advertised by the GR Restarter during negotiation, marking entries in these tables with stale tags, and starting a stale timer
- B. Starting a restart timer.
- C. Clearing all routing entries and forwarding entries related to the GR restarter if the GR restarter fails to re-establish the BGP connection with the neighbor after the restart timer expires.

D. Remaining the neighbor relationship unchanged.

Correct Answer: ABC

QUESTION 10

RTA connected to a LAN by e0/0 whose IP address is 10. 1. 1. 251 and network Mask is 255. 255. 0. Now

create a virtual router with ID I and virtual IP address 10.1.1.254 On RTA.

Which of the following commands are correct?

- A. [RTA-Ethernet0/0]vrrp vrid I virtual-ip 10. 1. 1. 254
- B. [RTA]vrrp vrid I virtual-ip 10. 1. 1. 254
- C. ERTA-Ethernet0/0]vrrp vrid I virtual-ip 10. 1. 1. 254 mask 255. 255. 255. 0
- D. [RTA]vrrp vrid I virtual-ip 10. 1. 1. 254 mask 255. 255. 255. 0

Correct Answer: A

QUESTION 11

Which of the following statements about IACP are true?

- A. It complies with IEEE 802. 3ad.
- B. A device enabled with LACP exchanges Link Aggregation Control Protocol Data Units (LACPDUs) with its peer.
- C. Devices at both ends determine the active interface according to the interface priority of the active device.

Correct Answer: ABC

QUESTION 12

Which of the following statements about the reliability requirement level are true?

- A. Faults seldom occur in the system software or hardware.
- B. System functions are not affected by faults.
- C. System functions are affected by faults but can rapidly recover.
- D. System functions can be ensured by using redundancy design, switchover policy, and high success rate in switchover.

Correct Answer: ABCD

QUESTION 13

Which of the following are end-to-end link protection modes?

- A. 1:1
- B. M: N
- C. N: 1
- D. 1+1

Correct Answer: ABD

QUESTION 14

On a BGP/MPLS IPv4 VPN, OSPF, LDP, and static routes are configured. Which of the following protocols need

to be enabled with GR to achieve NSF on PEs?

- A. OSPF
- B. MPLS LDP
- C. BGP

D. Static routes

Correct Answer: ABC

QUESTION 15

In VRRP 5.7, which of the following dynamic protocols support GR?

- A. MPLS LDP/RSVP
- B. IS-IS/OSPF
- C. BGP
- D. MSTP

Correct Answer: ABC

QUESTION 16

Which of the following statements about BFD are true?

- A. It cannot be used to detect MPLS networks.
- B. It provides low-load and short-duration detection for paths between adjacent forwarding engines.
- C. It provides a unified mechanism for detecting all types of media and BFD-supporting protocols.
- D. It is a bidirectional detection mechanism.

Correct Answer: BCD

QUESTION 17

Which of the following statements about the setup of a BFD session are true?

- A. A BFD session can be set up in either static or dynamic mode.
- B. A static BFD session is set up by manually configuring BFD session parameters and delivering requests for setting up a BFD session. BFD session parameters include the local and remote discriminators.
- C. A dynamic BFD session is set up by dynamically allocating local discriminators.
- D. Static and dynamic E3FD sessions are not differentiated.

Correct Answer: ABC

QUESTION 18

How many hosts are available per subnet if apply a /21 mask to the class B network?

- A. 510
- B. 512
- C. 1022
- D. 2046

Correct Answer: D

QUESTION 19

For a network like 175.25.128.0/19, the mask value is?

- A. 250. 255. 0. 0
- B. 200. 205. 224. 0
- C. 250. 255. 24. 0
- D. Different based on the address type

Correct Answer: B

QUESTION 20

The network 154.27.0.0 without any subnet can support () hosts?

- A. 204
- B. 1024
- C. 65, 534
- D. 16, 777, 206

Correct Answer: C

QUESTION 21

One class B network 155. 16. 0. 0, the mask is 255. 255. 255. 192. Then subnet quantity available is (), the host quantity in every subnet at most is ()

- A. 512 126
- B. 1024 64
- C. 1024 62
- D. 256 254
- E. 192 254

Correct Answer: C

QUESTION 22

For network segment 192.168.2.16/28, how many hosts it can hold at most?

- A. 16
- B. 8
- C. 15
- D. 14
- E. 7

Correct Answer: D

QUESTION 23

The IP address 0. 0. 0.0 indicates ().

- A. Network address
- B. Broadcast address of specially designated network segment
- C. All networks
- D. Broadcast address of all nodes of local network segment

Correct Answer: C

QUESTION 24

What is the network address for 190. 233. 27. 13/16?

- A. 190. 0. 0. 0
- B. 190. 233. 0. 0
- C. 190. 233. 27. 0
- D. 190. 233. 27. 1

Correct Answer: B

QUESTION 25

Which of the following address types are reserved for multicast use?

- A. Class A
- B. Class B
- C. Class E

D. Class D

Correct Answer: D

QUESTION 26

Which is the default network mask length of 219.25.23.56?

- A. 8
- B. 16
- C. 24
- D. 32

Correct Answer: C

QUESTION 27

What is the maximum bits of a Class B address can be used for subnet ?

- A. 8
- B. 14
- C. 16
- D. 22

Correct Answer: B

QUESTION 28

The subnet mask of a class a address is 250. 205. 240. 0, how many bits are used to divide subnet?

- A. 4
- B. 0
- C. 9
- D. 12

Correct Answer: D

QUESTION 29

Which of the following statements are correct regarding OSPF Router LSA ?

- A. Every router running OSPF must generate Router LSA.
- B. In broadcast and NBMA network, only DR/other generates Router LSA
- C. Router LSA describes link states of the router in area.
- D. Router LSA is flooded in the whole AS.

Correct Answer: AC

QUESTION 30

Which of the following statements are correct regarding Network LSA in OSPF network?

- A. Network LSA is generated by ABR.
- B. Only the router which connects NBMA or Broadcast Network may generate Network LSA.
- C. DR uses Network LSA to describe routers that have established adjacency relation with it in the network.
- D. Network LSA is flooded in the whole AS.

Correct Answer: BC

QUESTION 31

Which type of LSA is only used to calculate external route?

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

Correct Answer: DE

QUESTION 32

Which of the followings are OSPF packet type ?

- A. LSA
- B. LS Request
- C. LSP
- D. LS Update
- E. LS Ack

Correct Answer: BDE

QUESTION 33

Which of the following elements together uniquely identify a LSA?

- A. LS type
- B. Link state ID
- C. Advertising Router
- D. LS Sequence number

Correct Answer: ABC

QUESTION 34

Which of the following statements are correct regarding how OSPF detects old and duplicate LSAs?

- A. The smaller the sequence number, the more recent the LSA.
- B. The smaller the LS age, the more recent the LSA.
- C. When router generates a new LSA at the first time, it will use Ox80000001 as the sequence number.
- D. An LSA can be flushed from routing domain by setting its LSA age to \4axage.

Correct Answer: BCD

QUESTION 35

Which of the following statements are correct regarding intra-area route calculation of OSPF?

- A. Every OSPF router only uses one Router LSA to describe local active link state for one area.
- B. Every OSPF uses more than one Router LSA to describe local active link state for one area.
- C. One Router LSA only describes one link.
- D. One Router LSA describes more than one link.

Correct Answer: AD

QUESTION 36

In OSPF, the process of calculating shortest path tree can be divided into two phases, calculate Transit node first, then calculate Stub network.

- A. True
- B. False

Correct Answer: A

QUESTION 37

In the process of calculating SPF tree, the cost from a node to root node equals to metric listed in the Router LSA generated by the node.

- A. True
- B. False

Correct Answer: B

QUESTION 38

In OSPF protocol, which of the following elements are used to describe one link?

- A. Link ID
- B. Data
- C. Type
- D. Metric

Correct Answer: ABCD

QUESTION 39

OSPF uses SPF algorithm to calculate SPF tree according to topology. What is the node of the SPF tree?

- A. Router
- B. Router and network segment
- C. Port and network segment
- D. Router and port

Correct Answer: B

QUESTION 40

In OSPF protocol, which of the following elements are used by Network LSA to describe broadcast network segment or NBMA network segment?

- A. Link ID
- B. Net mask
- C. Attached Router list
- D. Metric

Correct Answer: ABC

QUESTION 41

Which of the connection types that Router LSA can describe?

- A. Point-to-point
- B. Stub
- C. Transit
- D. Virtual link

Correct Answer: ABCD