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QUESTION 1

In an OSPF network, the following description about the Router ID is incorrect.

- A. The router IDs must be the same in the same area
- B. The router IDs in different areas can be different.
- C. The router ID must be the IP address of an interface on the router.
- D. You must manually configure the specified router ID.
- E. The prerequisite for the normal operation of OSPF is that the router has a router ID.

Correct Answer: D

QUESTION 2

When a company applies to the 192.168.1.0/24 network segment, the largest sub-company that needs to be assigned to 5 subsidiaries has 8 computers. In each network segment, what are the following subnet mask digits? (multiple choice)

- B. 27
- C. 28
- D. 29

Correct Answer: BC

QUESTION 3

On the Quidway router, which of the following commands can change the name of the router to Router1?

- A. [Quidway] name Router1
- B. [Quidway] hostname Router1
- C. [Quidway] sysname Router1
- D. [Quidway] routename Router1

Correct Answer: C

QUESTION 4

Which of the following operations can determine the problem with the installation or operation of the TCP/IP protocol?

- A. ping 10.1.1.1

- B. ping 127.0.0.1
- C. ping 169.254.1.1
- D. ping 192.168.1.1

Correct Answer: B

QUESTION 5

When a router that enables proxy ARP receives an ARP request packet, it finds that the destination address of the packet is not its own. Which operation is required? (Multiple selection)

- A. Discard the message
- B. Find the route to the destination address
- C. If there is a route to the destination address, send its own MAC address to the ARP requester.
- D. Broadcast ARP request message

Correct Answer: BC

QUESTION 6

Which of the following is the correct description of the mesh structure? (multiple choice)

- A. In a fully connected mesh network, $n(n-1)/2$ physical links are required to connect n devices.
- B. In a fully connected mesh network, if one link fails, it will not affect the entire system.
- C. Fully connected network is more robust
- D. The cost of a fully connected network is low and easy to implement

Correct Answer: ABC

QUESTION 7

Firewall generally needs to detect which scanning behavior () (multiple choice)

- A. Port-scan
- B. icmp-scan
- C. udp-scan
- D. tcp-synflood

Correct Answer: ABC

QUESTION 8

On the VRP platform, what is the command to set the data link layer encapsulation type to HDLC on the Serial port?

- A. encapsulation hdlc
- B. link-protocol hdlc
- C. hdlc enable
- D. link-protocol ppp

Correct Answer: B

QUESTION 9

During the PPP negotiation process, if no response packet is received from the peer within the interval of the negotiation timeout, PPP will resend the previously sent packet. Such as Configure- Request. By default, how many seconds does the PPP negotiation timeout?

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

Correct Answer: C

QUESTION 10

When the router forwards data (without address translation), which of the following items have not been changed in forwarding? (multiple choice)

- A. Source network address
- B. Destination network address
- C. Source MAC address
- D. Destination MAC address
- E. Source port number
- F. destination port number

Correct Answer: ABEF

QUESTION 11

In PPP, when both ends of the communication side detect the physical line activation, they will transition from the link unavailability phase to the link establishment phase. In this phase, which of the following protocols is used to configure the link parameters?

- A. IP
- B. DHCP
- C. LCP
- D. NCP

Correct Answer: C

QUESTION 12

In the OSI reference model, which of the following options is composed of service requests and responses between applications in different devices?

- A. Data link layer
- B. Session layer
- C. Network layer
- D. Application layer

Correct Answer: B

QUESTION 13

The following is wrong about the STP statement ()

- A. The STP protocol stipulates that when the port is in the Disabled state, the port does not send or receive any packets.
- B. The STP protocol stipulates that when the port is in the Blocking state, the port does not receive or forward data, but does not send BPDUs, and does not perform address learning.
- C. The STP protocol stipulates that when the port is in the learning state, the port does not receive or forward data, receives and sends BPDUs, and starts address learning.
- D. The STP protocol stipulates that when the port is in the Listening state, the port does not receive or forward data, but does not send BPDUs, and does not perform address learning.

Correct Answer: D

QUESTION 14

What are the correct descriptions of the working principle of the Layer 2 Ethernet switch in the following options?
(Multiple choice)

- A. All data frames on the network segment connected to the receiving port B. Establish a MAC address table by using the destination MAC address in the received data frame.
- C. Look up the destination MAC address in the data frame in the MAC address table, send the data frame to the corresponding port if it is found (excluding the source port); if not found, go to all ports except the source port send
- D. Address table maintenance using the address aging mechanism

Correct Answer: ACD

QUESTION 15

Which of the following protocols is used for port 20?

- A. telnet
- B. FTP
- C. DNS
- D. DHCP

Correct Answer: B

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