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Basic Data Communication

1、 What is the disadvantage of a tree network?

- ⦿ A. Nodes at higher layers will cause more serious network problems if they become faulty. ✓
- ○ B. The tree network uses a hierarchical star structure.
- ○ C. The tree network can quickly connect multiple star networks together.
- ○ D. It is easy to expand the network scale.

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Con

✓ Congratulations, you got it!   My Score:5score   Correct answer:A

2、 Which functions does a firewall provide?

- ☑ A. Isolates networks of different security levels. ✓
- ☑ B. Uses security policies to implement access control between networks of different security levels. ✓
- ☑ C. Implements remote access. ✓
- ☑ D. Implements data encryption and virtual private network services. ✓
- ☑ E. Implements network address translation. ✓

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3、 A star network is robust and therefore not prone to faults.

○ Right

● Wrong ✓

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✓ Congratulations, you got it!   My Score:5score   Correct answer:Wrong

4、 A router can break broadcast domains.

● Right ✓

○ Wrong

[Prev]

✓ Congratulations, you got it!   My Score:5score   Correct answer:Right

Network Refrence Model
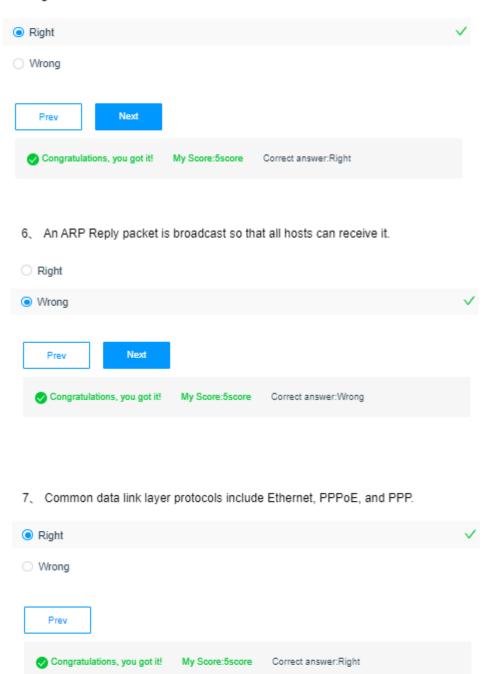
1、 The Open System Interconnection (OSI) reference model divides a network into seven layers. Which of the following lists the seven layers in the correct order, from bottom to top?

- ⦿ A. Physical layer, data link layer, network layer, transport layer, session layer, presentation ✓ layer, and application layer

- ○ B. Physical layer, data link layer, network layer, session layer, transport layer, presentation layer, and application layer

- ○ C. Physical layer, data link layer, network layer, transport layer, presentation layer, session layer, and application layer

- ○ D. Physical layer, data link layer, transport layer, network layer, session layer, presentation layer, and application layer

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2、 Which of the following port numbers is used by Telnet?

- ○ A. 6

- ⦿ B. 23 ✓

- ○ C. 17

- ○ D. 21

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✓ Congratulations, you got it!   My Score:5score   Correct answer:B

3、 What are functions of the network layer?

- ☑ A. Provide logical addresses for network devices. ✓
- ☐ B. Set up connections between processes on hosts.
- ☑ C. Send packets from source hosts to destination hosts. ✓
- ☑ D. Route and forward data packets. ✓

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✅ Congratulations, you got it!   My Score:5score   Correct answer:ACD

4、 Which of the following statements are true about the layers in the OSI reference model?

- ☑ A. Application layer: provides network services for applications and is closest to end users. ✓
- ☑ B. Transport layer: implements connection-oriented and non-connection-oriented data transmission, as well as error detection before retransmission. ✓
- ☑ C. Network layer: defines logical addresses for routers to determine paths and transmits data from source networks to destination networks. ✓
- ☑ D. Session layer: establishes, manages, and terminates sessions between entities at the presentation layer. ✓

Prev   Next

✅ Congratulations, you got it!   My Score:5score   Correct answer:ABCD

5、 A MAC address is 48 bits (6 bytes) in length and consists of 12 hexadecimal digits.

◉ Right ✓

◯ Wrong

[Prev] [Next]

✓ Congratulations, you got it!   My Score:5score   Correct answer:Right

6、 An ARP Reply packet is broadcast so that all hosts can receive it.

◯ Right

◉ Wrong ✓

[Prev] [Next]

✓ Congratulations, you got it!   My Score:5score   Correct answer:Wrong

7、 Common data link layer protocols include Ethernet, PPPoE, and PPP.

◉ Right ✓

◯ Wrong

[Prev]

✓ Congratulations, you got it!   My Score:5score   Correct answer:Right

VRP

1、 Which of the following statements about command functions is false?

A. <Huawei>undo   //Deletes a file. ✓

B. <Huawei>pwd   //Displays the current directory.

C. <Huawei>dir   //Displays information about files in the current directory.

D. <Huawei>more   //Displays the content of a text file.

Next

✓ Congratulations, you got it!   My Score:5score   Correct answer:A

2、 Which of the following are types of storage device?

A. SDRAM ✓

B. Flash ✓

C. NVRAM ✓

D. SD card ✓

E. USB flash drive ✓

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3、 Which of the following functions are provided by the VRP?

- ☑ A. Provides a unified user interface and a unified management interface. ✓

- ☑ B. Implements functions of the control plane and defines interface standards of the forwarding plane. ✓

- ☑ C. Implements communication between the device forwarding plane and VRP control plane. ✓

- ☑ D. Eliminates the differences between the link layer and network layer of each product. ✓

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4、 There are two commonly used device management modes: CLI and web system.

- ◉ Right ✓

- ○ Wrong

Prev

✓ Congratulations, you got it!   My Score:5score   Correct answer:Right

Network and IP Addressing

1、 Which of the following is a private IP address?

○ A. 192.169.16.1

◉ B. 172.17.1.254   ✓

○ C. 239.0.0.8

○ D. 172.32.16.254

Next

✅ Congratulations, you got it!   My Score:5score   Correct answer:B

2、 How many IP addresses are available in network segment 172.16.0.0/30?

○ A. 1

○ B. 4

◉ C. 2   ✓

○ D. 8

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✅ Congratulations, you got it!   My Score:5score   Correct answer:C

3、 Which of the following ICMP packets is used to detect the connectivity between the source and destination IP addresses?

○ A. ICMP Redirect

◉ B. ICMP Echo ✓

○ C. ICMP port unreachable

○ D. ICMP host unreachable

[Prev] [Next]

✓ Congratulations, you got it!　　My Score:5score　　Correct answer:B

4、 Which of the following IP addresses can be manually configured and used by host interfaces?

☑ A. 10.2.3.4 ✓

☐ B. 127.0.0.1

☐ C. 224.0.0.18

☑ D. 192.168.100.254 ✓

[Prev] [Next]

✓ Congratulations, you got it!　　My Score:5score　　Correct answer:AD

5、 The router discards packets with a TTL value of 0.

◉ Right   ✓

○ Wrong

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✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:Right

Ip Routing Basis

1、 Which of the following fields is not included in the output of the display ip routing-table command?

○ A. Destination/Mask

○ B. Proto

○ C. Interface

◉ D. AdvRouter   ✓

    Next

✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:D

2、 What is the default preference of static routes?

○ A. 150

○ B. 10

◉ C. 60 ✓

○ D. 0

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✓ Congratulations, you got it!   My Score:5score   Correct answer:C

3、 According to the longest match rule, which of the following routes will the data packet destined for 172.16.10.1 match?

○ A. 172.16.10.2/32

◉ B. 172.16.10.0/24 ✓

○ C. 172.16.0.0/16

○ D. 172.17.10.0/24

Prev   Next

✓ Congratulations, you got it!   My Score:5score   Correct answer:B

4、 Which of the following are link-state routing protocols?

☐ A. BGP

☑ B. IS-IS ✓

☑ C. OSPF ✓

☐ D. Static route

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✓ Congratulations, you got it!   My Score:5score   Correct answer:BC

5、 The summary route of 172.16.1.0/24, 172.16.2.0/24, and 172.16.5.0/24 is 172.16.0.0/22.

○ Right

◉ Wrong ✓

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✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:Wrong

OSPF Basis

< Return Quiz

Single-answer Question   Question1 / 5   Answered:5 / 5

1、 Which of the following packets are used by OSPF to discover and maintain neighbor relationships?

○ A. LSR

○ B. DD

◉ C. Hello ✓

○ D. LSU

Next

✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

2、 By default, what are the OSPF cost values of a serial port working at 1.544 Mbit/s, FE interface, and GE interface, respectively?

○ A. 64, 10, 1

○ B. 640, 10, 1

○ C. 64, 10, 1

◉ D. 64, 1, 1   ✓

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✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:D

3、 Which of the following tables is used by OSPF to store link status information?

◉ A. OSPF LSDB   ✓

○ B. OSPF peer table

○ C. OSPF routing table

○ D. OSPF adjacency table

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✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:A

4、 Which of the following are OSPF network types?

☑ A. P2P ✓

☑ B. Broadcast ✓

☑ C. NBMA ✓

☑ D. P2MP ✓

Prev   Next

✅ Congratulations, you got it!   My Score:5score   Correct answer:ABCD

5、 On an MA network, the final state of the OSPF neighbor relationship between DR others is 2-way.

⦿ Right ✓

○ Wrong

Prev

✅ Congratulations, you got it!   My Score:5score   Correct answer:Right

Ethernet Basis

1、 What type of MAC address is 01-00-5e-00-00-01?

○ A. Unicast MAC address

◉ B. Multicast MAC address ✓

○ C. Broadcast MAC address

○ D. Anycast MAC address

Next

✅ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:B

2、 Which of the following actions does a switch take by default after it receives an unknown unicast frame?

○ A. Learns the mapping between the source MAC address and interface that receives this data frame, and discards this data frame.

◉ B. Learns the mapping between the source MAC address and interface that receives this ✓ data frame, and floods this data frame.

○ C. Learns the mapping between the source MAC address and interface that receives this data frame, and forwards this data frame based on the MAC address table.

○ D. Does not learn the mapping between the source MAC address and interface that receives this data frame, and forwards this data frame based on the MAC address table.

Prev　　**Next**

✅ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:B

3、 Which of the following ARP packets is used to request the MAC address corresponding to an IP address?

● A. ARP Request ✓

○ B. ARP Reply

○ C. RARP Request

○ D. RARP Reply

[Prev] [Next]

✓ Congratulations, you got it! My Score:5score Correct answer:A

4、 Which of the following fields are contained in an Ethernet frame in the IEEE 802.3 format?

☑ A. Length ✓

☑ B. Destination MAC ✓

☑ C. Source MAC ✓

☑ D. FCS ✓

[Prev] [Next]

✓ Congratulations, you got it! My Score:5score Correct answer:ABCD

5、 A switch floods unknown unicast frames and frames whose destination MAC address is a broadcast MAC address.

◉ Right   ✓

◯ Wrong

Prev

✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:Right

VLAN

1、 What is the TPID value of an 802.1Q-tagged frame?

◯ A. 0x0800

◯ B. 0x8847

◉ C. 0x8100   ✓

◯ D. 0x0806

Next

✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

2、 Which of the following is a valid VLAN ID?

○ A. 0

○ B. 4095

○ C. 65536

◉ D. 4094 ✓

[Prev] [Next]

✅ Congratulations, you got it!   My Score:5score   Correct answer:D

3、 Based on which of the following cannot VLANs be assigned?

○ A. Interface

○ B. MAC address

○ C. Subnet

◉ D. Transport-layer protocol ✓

[Prev] [Next]

✅ Congratulations, you got it!   My Score:5score   Correct answer:D

4、 Which of the following interfaces can process data frames carrying multiple VLAN tags?

☐ A. Access

☐ B. Bridge

☑ C. Trunk ✓

☑ D. Hybrid ✓

[Prev] [Next]

✅ Congratulations, you got it!　　My Score:5score　　Correct answer:CD

5、 An access interface cannot process VLAN-tagged data frames, and immediately discards them upon receipt.

○ Right

◉ Wrong ✓

[Prev]

✅ Congratulations, you got it!　　My Score:5score　　Correct answer:Wrong

STP Principles and Configuration

1、 The bridge IDs of SW1, SW2, SW3, and SW4 are 4096.4c1f-aabc-102a, 4096.4c1f-aabc-102b, 4096.4c1f-aabc-001a and 8192.4c1f-aabc-112b, respectively. If the four switches are on the same Layer 2 network and have STP enabled, which switch acts as the root bridge?

- ○ A. SW1
- ◉ B. SW3 ✓
- ○ C. SW2
- ○ D. SW4

[Next]

✅ Congratulations, you got it!   My Score:5score   Correct answer:B

2、 What is the default Forward Delay value in STP?

- ○ A. 30s
- ◉ B. 15s ✓
- ○ C. 20s
- ○ D. 2s

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✅ Congratulations, you got it!   My Score:5score   Correct answer:B

3、 The root ID, bridge ID, interface ID, and root path cost (RPC) are the main fields used to determine priorities of configuration BPDUs. To select a superior configuration BPDU, in which of the following sequences does a switch compare these fields?

○ A. Interface ID, root ID, bridge ID, and RPC

○ B. RPC, root ID, bridge ID, and interface ID

○ C. Root ID, bridge ID, interface ID, and RPC

◉ D. Root ID, RPC, bridge ID, and interface ID ✓

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✓ Congratulations, you got it!   My Score:5score   Correct answer:D

< Return   Quiz

4、 Which of the following fields are contained in a configuration BPDU?

☑ A. Forward Delay ✓

☑ B. Port ID ✓

☑ C. Root ID ✓

☑ D. Bridge ID ✓

Prev   Next

✓ Congratulations, you got it!   My Score:5score   Correct answer:ABCD

5、 By default, a switch runs RSTP.

○ Right

◉ Wrong ✓

Prev

✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:Wrong

Inter VLAN Communication

1、 To implement inter-VLAN communication through sub-interfaces, which of the following commands needs to be configured for VLAN termination on the sub-interfaces?

○ A. port default vlan vlan-id

○ B. port trunk pvid vlan-id

◉ C. dot1q termination vid vlan-id ✓

○ D. port link-type hybrid vlan-id

Next

✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

2、 Which of the following statements about a Layer 3 switch is false?

A. Layer 3 switch can forward packets only at Layer 3. ✓

B. Layer 3 switch can route packets through VLANIF interfaces.

C. Layer 3 switch can forward packets at both Layer 2 and Layer 3.

D. Layer 3 switch can route packets through Layer 3 physical interfaces.

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✓ Congratulations, you got it!   My Score:5score   Correct answer:A

3、 Which of the following statements is false about routing on Layer 3 switches?

A. If a Layer 3 switch finds that the destination MAC address of a received data frame is the MAC address of its VLANIF interface, it sends the data frame to its routing module for further processing.

B. If the routing module of a Layer 3 switch finds that the destination IP address is not the IP address of a local interface on the switch, it looks up a routing entry matching this IP address in the routing table.

C. Layer 3 switch forwards the packet to the next hop specified in the matching routing entry, without re-encapsulating the data frame. ✓

D. When routing a packet at Layer 3, a Layer 3 switch replaces the source and destination MAC addresses of the packet.

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✓ Congratulations, you got it!   My Score:5score   Correct answer:C

4、 If sub-interfaces are configured to implement inter-VLAN communication, which of the following interfaces should be configured to connect a switch to a router?

- ☑ A. Hybrid ✓
- ☑ B. Trunk ✓
- ☐ C. Bridge
- ☐ D. Access

[Prev] [Next]

✅ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:AB

True of False Question　　Question5 / 5　　　　　　　　　Answered:5 / 5

5、 During Layer 3 communication, the source and destination MAC addresses of a packet are changed each time it passes through a Layer 3 device.

- ⦿ Right ✓
- ○ Wrong

[Prev]

✅ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:Right

Eth Trunk

1、 What is the default LACP interface priority?

○ A. 4096

○ B. 0

◉ C. 32768 ✓

○ D. 8192

[Next]

✔ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:C

2、 Which of the following configurations can be different on member interfaces in an Eth-Trunk interface?

◉ A. Spanning tree configurations ✓

○ B. Interface rate

○ C. Duplex mode

○ D. VLAN configurations

[Prev]　[Next]

✔ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:A

3、 Which of the following statements is false about selecting active links in LACP mode?

○ A. Devices on both ends exchange LACPDUs to select the Actor.

○ B. The Actor selects active interfaces based on the LACP interface priority and interface number.

◉ C. The Actor enables active interfaces and disables backup interfaces, and notifies the device on the other end of the selected active interfaces based on the physical interface status. ✓

○ D. The Partner determines its active interfaces based on the active interfaces selected on the Actor.

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✓ Congratulations, you got it! My Score:5score Correct answer:C

4、 Which of the following fields in an LACPDU is used to select the Actor?

☐ A. Interface number

☑ B. Device MAC address ✓

☑ C. Device priority ✓

☐ D. Interface priority

Prev Next

✓ Congratulations, you got it! My Score:5score Correct answer:BC

5、 Configuring the lower threshold for the number of active interfaces in an Eth-Trunk ensures that the Eth-Trunk has the minimum required bandwidth.

◉ Right ✓

○ Wrong

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✅ Congratulations, you got it!　　My Score:5score　　Correct answer:Right

ACL Principles and Configuration

1、 What is the default increment of ACL rule IDs?

○ A. 20

○ B. 15

◉ C. 5 ✓

○ D. 10

Next

✅ Congratulations, you got it!　　My Score:5score　　Correct answer:C

2、 What is the number range of advanced ACLs?

○ A. 4000–4999

◉ B. 3000–3999   ✓

○ C. 2000–2999

○ D. 6000–6999

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✅ Congratulations, you got it!   My Score:5score   Correct answer:B

3、 If the number of an ACL is 4010, which of the following fields can the ACL match?

○ A. Source IP address

○ B. Source IP address and destination IP address

◉ C. Source MAC address, destination MAC address, and Layer 2 protocol type   ✓

○ D. Packet header and offset

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✅ Congratulations, you got it!   My Score:5score   Correct answer:C

4、 Which of the following packets can match the ACL rule: rule 1 permit tcp source any destination 192.168.1.1 0.0.0.0 destination-port eq 80?

☐ A. Source IP address: 10.1.1.1; destination IP address: 192.168.1.2; source port number: 62012; destination port number: 80; transport layer protocol: TCP

☐ B. Source IP address: 10.1.1.1; destination IP address: 192.168.1.1; source port number: 30000; destination port number: 80; transport layer protocol: UDP

☑ C. Source IP address: 10.1.1.1; destination IP address: 192.168.1.1; source port number: ✓ 62012; destination port number: 80; transport layer protocol: TCP

☑ D. Source IP address: 10.0.0.1; destination IP address: 192.168.1.1; source port number: ✓ 30000; destination port number: 80; transport layer protocol: TCP

[Prev] [Next]

✅ Congratulations, you got it!   My Score:5score   Correct answer:CD

5、 An advanced ACL can match the source and destination port numbers of packets, enabling it to filter TCP packets with a specified destination port number.

🔘 Right ✓

⚪ Wrong

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✅ Congratulations, you got it!   My Score:5score   Correct answer:Right

AAA Principles and Configuration

1、 Which of the following roles is not included in the common AAA network architecture?

○ A. User

○ B. AAA server

○ C. Network access server (NAS)

◉ D. Portal server ✓

Next

✅ **Congratulations, you got it!** **My Score:5score** Correct answer:D

2、 What are the transport layer protocol and authentication port number used by RADIUS?

○ A. TCP, 1812

◉ B. UDP, 1812 ✓

○ C. TCP, 1813

○ D. UDP, 1812

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✅ **Congratulations, you got it!** **My Score:5score** Correct answer:B

3、 Which of the following authorization modes is not supported by AAA?

○ A. Non-authorization

○ B. Local authorization

◉ C. Mutual authorization   ✓

○ D. Remote authorization

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✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

4、 Which of the following concepts are involved in AAA?

☑ A. Accounting   ✓

☑ B. Authentication   ✓

☑ C. Authorization   ✓

☐ D. Automation

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✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:ABC

5、 When receiving a user access request, the NAS determines the domain to which the user belongs based on the user name, and performs user management and control based on the AAA schemes configured for the domain.

- ◉ Right ✓
- ○ Wrong

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✓ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:Right

Network Address Translation

1、 Which of the following NAT technologies can only use an interface address as the post-NAT public address?

- ◉ A. Easy IP ✓
- ○ B. NAT Server
- ○ C. Dynamic NAT
- ○ D. Static NAT

[Next]

✓ **Congratulations, you got it!**　　**My Score:5score**　　Correct answer:A

2、 Which of the following NAT technologies can be deployed on egress network devices to enable external users to access only a TCP port of an intranet server?

○ A. Static NAT ✗

○ B. NAT Server

○ C. Dynamic NAT

○ D. NAPT

[Prev] [Next]

⊗ Too bad, wrong answer!   My Score:0score   Correct answer:B

3、 Which of the following are not translated by NAPT?

☑ A. Destination IP address ✓

☐ B. Source port number

☑ C. Destination port number ✓

☐ D. Source IP address

[Prev] [Next]

✓ Congratulations, you got it!   My Score:5score   Correct answer:AC

4、 Which of the following NAT technologies can be used to enable external users to proactively access an intranet server?

- [x] A. Static NAT ✓
- [x] B. NAT Server ✓
- [ ] C. NAPT
- [ ] D. Easy IP

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✓ Congratulations, you got it!   My Score:5score   Correct answer:AB

5、 NAPT translates not only IP addresses but also port numbers to implement 1:N mappings between public and private addresses.

- (•) Right ✓
- ( ) Wrong

| Prev |

✓ Congratulations, you got it!   My Score:5score   Correct answer:Right

Network Services and Applications

1、 What is the level of the domain '.com' in the URL www.huawei.com?

- ⦿ A. Top-level domain ✓
- ○ B. Second-level domain
- ○ C. Root domain
- ○ D. Host name

Next

✓ **Congratulations, you got it!** **My Score:5score** Correct answer:A

2、 Which of the following messages is sent by a DHCP server to carry the IP address assigned to a client during DHCP interaction?

- ⦿ A. DHCP Offer ✓
- ○ B. DHCP Discover
- ○ C. DHCP Ack
- ○ D. DHCP Request

Prev   Next

✓ **Congratulations, you got it!** **My Score:5score** Correct answer:A

3、 Which of the following is the default destination port number of the FTP control channel?

○ A. 20

○ B. 22

○ C. 23

◉ D. 21   ✓

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✅ Congratulations, you got it!   **My Score:5score**   Correct answer:D

4、 Which of the following parameters can be assigned by a DHCP server to a DHCP client?

☑ A. Local IP address   ✓

☑ B. Mask   ✓

☑ C. DNS server address   ✓

☑ D. Gateway address   ✓

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✅ Congratulations, you got it!   **My Score:5score**   Correct answer:ABCD

5、 FTP works in active or passive mode. TCP port 20 is used in both modes.

○ Right

⊙ Wrong ✓

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✓ Congratulations, you got it!　　My Score:5score　　Correct answer:Wrong

WLAN Overview

1、 Which of the following 802.11 protocols works only on the 5 GHz frequency band?

○ A. 802.11ax

○ B. 802.11n

⊙ C. 802.11ac ✓

○ D. 802.11g

[Next]

✓ Congratulations, you got it!　　My Score:5score　　Correct answer:C

2、 Which of CAPWAP message types is used by an AC to deliver configuration files to APs?

○ A. Configuration Update Request

○ B. Image Data Request

◉ C. Configuration Update Response ✓

○ D. Image Data Response

[Prev] [Next]

✅ Congratulations, you got it!　　My Score:5score　　Correct answer:C

3、 Which of the following data frames is used by an AP to periodically broadcast its SSID?

○ A. Probe Request

○ B. Probe Response

○ C. Association Request

◉ D. Beacon ✓

[Prev] [Next]

✅ Congratulations, you got it!　　My Score:5score　　Correct answer:D

4、 Which of the following modes are used by APs to dynamically discover an AC?

☐ A. Manually specifying the AC IP address on the APs

☑ B. Broadcast mode ✓

☑ C. DHCP mode ✓

☑ D. DNS mode ✓

Prev   Next

✓ Congratulations, you got it!   My Score:5score   Correct answer:BCD

5、 Two CAPWAP tunnels are established: data tunnel and control tunnel. They are both kept alive using Keepalive messages.

○ Right

◉ Wrong ✓

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✓ Congratulations, you got it!   My Score:5score   Correct answer:Wrong

WAN Technologies

1、 Which of the following packet types is used by PPPoE to terminate a session?

○ A. PADS

◉ B. PADT   ✓

○ C. PADO

○ D. PADR

[Next]

✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:B

2、 If a packet with unmatched parameters is received during LCP negotiation,
which of the following packet types is used by PPP to respond to the packet?

○ A. Configure-Ack

○ B. Configure-Reject

◉ C. Configure-Nak   ✓

○ D. Authenticate-Nak

[Prev] [Next]

✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

3、 Which of the following authentication protocols are supported by PPP?

- ☐ A. EAP-TLS
- ☑ B. PAP ✓
- ☐ C. EAP-MD5
- ☑ D. CHAP ✓

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✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:BD

4、 Which of the following packet types are used during PPP negotiation?

- ☑ A. LCP ✓
- ☑ B. PAP ✓
- ☑ C. CHAP ✓
- ☑ D. IPCP ✓

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✅ **Congratulations, you got it!**   **My Score:5score**   Correct answer:ABCD

5、 During CHAP authentication, the password configured for a user is carried by PPP packets in plaintext.

○ Right

◉ Wrong ✓

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✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:Wrong

Network Management and OM

1、 Which of the following packet types is used by SNMPv2c to proactively send traps to an NMS and requires a response from the NMS?

◉ A. Inform ✓

○ B. Trap

○ C. Response

○ D. Notification

[Next]

✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:A

2、 Unlike SNMPv1, SNMPv2c uses which of the following packet types to query OIDs in batches?

○ A. Get-Request

○ B. Get-Next-Request

◉ C. GetBulk ✓

○ D. GetContinue

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✓ Congratulations, you got it!   My Score:5score   Correct answer:C

3、 Which of the following are attributes of managed devices defined in the MIB?

☑ A. Status of an object ✓

☑ B. Data type of an object ✓

☑ C. Access permission of an object ✓

☑ D. OID of an object ✓

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✓ Congratulations, you got it!   My Score:5score   Correct answer:ABCD

4、 Which of the following new security features that SNMPv3 provides over SNMPv1 and SNMPv2c?

- [ ] A. Digital signature technology can be used to verify the source of SNMP packets.
- [x] B. The MD5 algorithm is supported for user authentication. ✓
- [x] C. DES is supported for data encryption. ✓
- [ ] D. RSA is supported for asymmetric data encryption.

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✅ Congratulations, you got it!   My Score:5score   Correct answer:BC

5、 Network devices enabled with SNMP run the agent process. The management process of an NMS interacts with the agent process through SNMP packets.

- ( ) Right
- (●) Wrong ✕

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❌ Too bad, wrong answer!   My Score:0score   Correct answer:Right

IPv6 Basics

1、 What is the length of an IPv6 address?

○ A. 64

○ B. 96

○ C. 256

◉ D. 128 ✓

Next

✅ Congratulations, you got it!　　**My Score:5score**　　Correct answer:D

2、 What is the abbreviated version of the IPv6 address
2001:0AF8:0000:1234:FB00:0000:5000:EF14?

○ A. 2001:AF8:0000:1234:FB:0000:5000:EF14

○ B. 2001:0AF8::1234:FB00::5000:EF14

◉ C. 2001:AF8:0:1234:FB00::5000:EF14 ✓

○ D. 2001:0AF8:0000:1234:FB00:0000:5:EF14

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✅ Congratulations, you got it!　　**My Score:5score**　　Correct answer:C

3、 Which of the following fields is used in a basic IPv6 header but not in an IPv4 header?

○ A. Payload length

○ B. Hop limit

○ C. Next header

◉ D. Flow label ✓

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✓ Congratulations, you got it!   My Score:5score   Correct answer:D

4、 Depending on the IPv6 address prefix, which of the following address types can IPv6 addresses be classified into?

☑ A. Multicast address ✓

☐ B. Broadcast address

☑ C. Unicast address ✓

☑ D. Anycast address ✓

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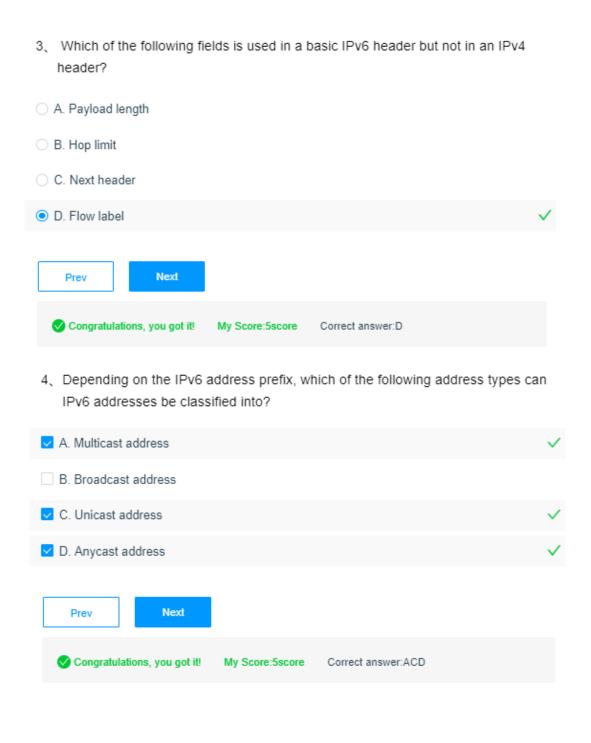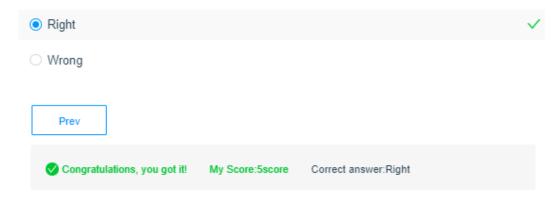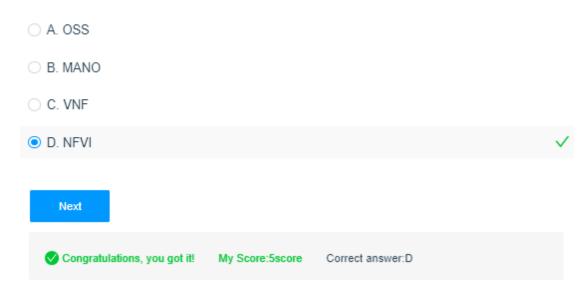✓ Congratulations, you got it!   My Score:5score   Correct answer:ACD

5、 An IPv6 unicast address consists of a network prefix and an interface ID. Common IPv6 unicast addresses, such as global unicast addresses and link-local addresses, require the network prefix and interface ID to be 64 bits.

- ◉ Right ✓
- ○ Wrong

Prev

✅ Congratulations, you got it!　　　My Score:5score　　　Correct answer:Right

Introduction to SDN and NFV

1、 In the standard NFV architecture, which of the following modules is responsible for virtualization of the underlying hardware?

- ○ A. OSS
- ○ B. MANO
- ○ C. VNF
- ◉ D. NFVI ✓

Next

✅ Congratulations, you got it!　　　My Score:5score　　　Correct answer:D

2、 In the SDN architecture, which of the following interfaces is used for communication between the controller and an SDN switch?

○ A. RESTCONF interface

○ B. RESTful interface

○ C. Northbound interface

◉ D. Southbound interface ✓

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✓ Congratulations, you got it!　　My Score:5score　　Correct answer:D

3、 In the OpenFlow architecture, which of the following packets are sent from the controller to a switch?

☐ A. Controller-to-Switch

☐ B. Symmetric

☐ C. Switch-to-Controller

☑ D. Asynchronous ✗

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✗ Too bad, wrong answer!　　My Score:0score　　Correct answer:AB

4、 Which of the following are NFV features?

- ☐ A. Partition division

- ☐ B. Isolation

- ☐ C. Encapsulation

- ☑ D. Hardware independence ✓

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❌ Too bad, wrong answer!   My Score:0score   Correct answer:ABCD

5、 An OpenFlow switch forwards packets based on the flow table, and matches the destination MAC and IP addresses and other fields in the packets.

- ◉ Right ✓

- ◯ Wrong

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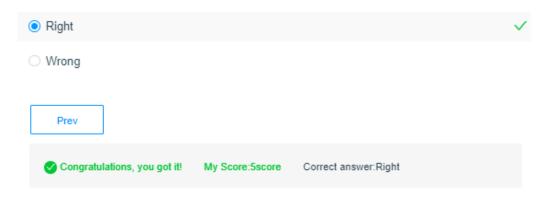✅ Congratulations, you got it!   My Score:5score   Correct answer:Right

Network Programmability & Automation

5、 An OpenFlow switch forwards packets based on the flow table, and matches the destination MAC and IP addresses and other fields in the packets.

◉ Right ✓

○ Wrong

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✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:Right

2、 Which of the following methods is used to write data to the telnetlib module?

○ A. read_all ()

○ B. close()

◉ C. write() ✓

○ D. read_very_eager()

[Prev]   [**Next**]

✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

3、 Which of the following characters can be used as Python identifiers?

☑ A. Digits ✓

☐ B. @ signs

☑ C. Letters ✓

☑ D. Underscores ✓

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✅ Congratulations, you got it!　　　My Score:5score　　　Correct answer:ACD

4、 Which of the following are compiled high-level programming languages?

☑ A. C ✓

☑ B. C++ ✓

☐ C. Java

☐ D. Python

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✅ Congratulations, you got it!　　　My Score:5score　　　Correct answer:AB

5、 Python programs use indentation to represent code blocks. Statements in the same code block must have the same number of indented spaces.

- ◉ Right ✓
- ○ Wrong

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✓ Congratulations, you got it!   My Score:5score   Correct answer:Right

Typical Campus Network Architectures

1、 To conserve IP addresses, what mask size is used for IP addresses on router to router connections on an enterprise network?

- ○ A. 28
- ○ B. 29
- ◉ C. 30 ✓
- ○ D. 24

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✓ Congratulations, you got it!   My Score:5score   Correct answer:C

2、 On a campus network, which of the following functions can be enabled on access switches to prevent employees from accessing the unauthorized DHCP-enabled router?

○ A. IPSG

○ B. DHCP relay

◉ C. DHCP snooping ✓

○ D. Port security

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✓ **Congratulations, you got it!**   **My Score:5score**   Correct answer:C

3、 Which of the following technologies can be used on a campus network to improve network reliability?

☐ A. iStack

☐ B. CSS

☑ C. VRRP ✓

☑ D. Link aggregation ✓

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✗ **Too bad, wrong answer!**   **My Score:0score**   Correct answer:ABCD

4、 Which of the following are stages in the lifecycle of a campus network project?

- [ ] A. Planning and design

- [ ] B. Deployment and implementation

- [x] C. Network O&M ✓

- [x] D. Network optimization ✓

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❌ Too bad, wrong answer!   My Score:0score   Correct answer:ABCD

5、 Certain terminals, such as servers and printers, can be allocated fixed IP addresses.

- (•) Right ✓

- ( ) Wrong

Prev

✅ Congratulations, you got it!   My Score:5score   Correct answer:Right