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### HCIA-Datcom V1.0 Mock Exam

Examinee Account: adebowale\_ayannusi

Max Score: 1000 points Pass: 600 points Answered: 60/60 Time Left: **00:00:00** Submit

Q 35 (15 points) ■  
Q 36 (15 points) ■  
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Q 40 (15 points) ■

**Multi-answer Question 20**

Q 41 (20 points) ■  
Q 42 (20 points) ■  
Q 43 (20 points) ■  
Q 44 (20 points) ■  
Q 45 (20 points) ■  
Q 46 (20 points) ■  
Q 47 (20 points) ■  
Q 48 (20 points) ■  
Q 49 (20 points) ■

■ Answered ■ Pending

true or false 1/60Question Arrow keys available to switch questions

1. A hybrid port on a switch can connect to either a user host or a port on another switch.

True  
 False

**Congratulations! Correct Answer: True**

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Q 9 (15 points) ■  
Q 10 (15 points) ■

**Single-answer Question 30**

Q 11 (15 points) ■  
Q 12 (15 points) ■  
Q 13 (15 points) ■

■ Answered ■ Pending

true or false 2/60Question Arrow keys available to switch questions

2. FTP is a file transfer protocol and works in active or passive mode.

True  
 False

**Congratulations! Correct Answer: True**

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**Single-answer Question 30**

Q 11 (15 points)

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Q 13 (15 points)

Answered  Pending

true or false 3/60Question Arrow keys available to switch questions

3. After receiving a tagged frame from the peer device, an access port of a switch checks the VLAN ID of the frame. If the VLAN ID is the same as PVID of this port, the port accepts the frame and removes the tag from the frame.

True

False

**Congratulations! Correct Answer: False**

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**Single-answer Question 30**

Q 11 (15 points)

Q 12 (15 points)

Q 13 (15 points)

Answered  Pending

true or false 4/60Question Arrow keys available to switch questions

4. The precision of telemetry-based traffic statistics collection can be measured in milliseconds.

True

False

**Sorry ! Correct Answer: False**

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**Single-answer Question 30**

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Answered  Pending

true of false 5/60Question Arrow keys available to switch questions

5. Before sending an IPv6 packet, an interface performs the following operations in this order: address configuration, address resolution, and duplicate address detection (DAD).

True

False

**Congratulations! Correct Answer: False**

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**Single-answer Question 30**

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Answered  Pending

true of false 6/60Question Arrow keys available to switch questions

6. In the WLAN network architecture, ACs can be connected in in-path or off-path mode.

True

False

**Congratulations! Correct Answer: True**

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Single-answer Question 30

Q 11 (15 points)  Q 12 (15 points)  Q 13 (15 points)

Answered  Pending

true or false 7/60Question Arrow keys available to switch questions

7. As every two nodes in a full-mesh network are connected using cables, each node requires a large number of physical ports and connection cables, resulting in relatively high costs.

True  
 False

**Congratulations! Correct Answer: True**

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Single-answer Question 30

Q 11 (15 points)  Q 12 (15 points)  Q 13 (15 points)

Answered  Pending

true or false 8/60Question Arrow keys available to switch questions

8. A blackhole route (or null route) can prevent routing loops.

True  
 False

**Sorry ! Correct Answer: True**

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Single-answer Question 30   
Q 11 (15 points)    
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Q 13 (15 points)    
Answered Pending

true or false 9/60Question Arrow keys available to switch questions

9. Static routes and OSPF routes can form equal-cost routes.

True   
 False

**Sorry ! Correct Answer: False**

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Single-answer Question 30   
Q 11 (15 points)    
Q 12 (15 points)    
Q 13 (15 points)    
Answered Pending

true or false 10/60Question Arrow keys available to switch questions

10. Switches can implement communication between homogeneous networks or communication between heterogeneous networks and isolate broadcast domains.

True   
 False

**Congratulations! Correct Answer: False**

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Q 10 (15 points)

Single-answer Question 30

Q 11 (15 points)

Q 12 (15 points)

Q 13 (15 points)

Answered Pending

Multiple choice single answer 11/60Question Arrow keys available to switch questions

11. IPv6 addresses can be classified into three types based on IPv6 address prefixes. Which of the following is not an IPv6 address type?

- A. Unicast address
- B. Anycast address
- C. Multicast address
- D. Broadcast address

**Congratulations! Correct Answer: D**

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Q 10 (15 points)

Single-answer Question 30

Q 11 (15 points)

Q 12 (15 points)

Q 13 (15 points)

Answered Pending

Multiple choice single answer 12/60Question Arrow keys available to switch questions

12. Which of the following statements about BPDUs in STP is false?

- A. When the network topology becomes stable, all switches proactively send configuration BPDUs.
- B. TCN BPDUs are triggered only when the network topology changes.
- C. A configuration BPDU contains parameters such as the bridge ID, path cost, and port ID.
- D. BPDUs are classified into configuration BPDUs and TCN BPDUs.

**Sorry ! Correct Answer: A**

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Name: Ayan... Account: ad... Multiple choice single answer 13/60Question Arrow keys available to switch questions

**true or false 10**

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**Single-answer Question 30**

- Q 11 (15 points)
- Q 12 (15 points)
- Q 13 (15 points)

Answered Pending

13. Network Address Translation (NAT) translates the IP address in an IP packet header into another IP address. Which of the following is not an advantage of NAT?

- A. Effectively preventing attacks from external networks and greatly improving network security
- B. Allowing the access of intranet hosts to external networks and the access of external hosts to intranets, and enabling communication between intranets and external networks
- C. Implementing accurate identification and control of packet flows on networks to control network access behavior, prevent network attacks, and improve network bandwidth efficiency
- D. Alleviating the exhaustion of IP addresses

Sorry ! Correct Answer: C

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**Single-answer Question 30**

- Q 11 (15 points)
- Q 12 (15 points)
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- Q 14 (15 points)

Answered Pending

14. If the PVID of a trunk port on a switch is 10 and the port trunk allow-pass vlan 7 9 command is configured on the port, which of the following statements is true?

- A. Data frames of VLANs 1, 7, 8, and 9 can be transmitted on a trunk link.
- B. Data frames of VLANs 7, 8, 9, and 10 can be transmitted on a trunk link.
- C. Data frames of VLANs 7, 8, and 9 can be transmitted on a trunk link.
- D. Data frames of VLANs 1, 7, and 9 can be transmitted on a trunk link.

Sorry ! Correct Answer: D

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Multiple choice single answer 15/60 Question Arrow keys available to switch questions

15. NTP is a network protocol used to synchronize computer clocks with an NTP server. Which of the following statements about NTP is false?

- A. NTP is a network layer protocol in the TCP/IP protocol suite.
- B. The master time server directly synchronizes with the standard reference clock through cables or radio signals.
- C. NTP packets are transmitted through UDP.
- D. The stratum indicates the hierarchy for clock synchronization. The value 1 indicates the highest clock precision.

Sorry ! Correct Answer: A

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Q 1 (15 points) Q 2 (15 points) Q 3 (15 points) Q 4 (15 points) Q 5 (15 points) Q 6 (15 points) Q 7 (15 points) Q 8 (15 points) Q 9 (15 points) Q 10 (15 points)

Single-answer Question 30

Q 11 (15 points) Q 12 (15 points) Q 13 (15 points) Q 14 (15 points) Q 15 (15 points)

Answered Pending

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Multiple choice single answer 16/60 Question Arrow keys available to switch questions

16. Refer to the following configuration on a switch:  
[huawei]vlan batch 2 to 9 10  
Which of the following statements is true about this command?

- A. VLANs 2 to 10 will be created on the switch.
- B. VLANs 2 through 910 will be created on the switch.
- C. The command is incorrect. As a result, the VRP will report an error when this command is run.
- D. VLANs 2, 9, and 10 will be created on the switch.

Congratulations! Correct Answer: A

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Single-answer Question 30

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Q 17 (15 points)

Answered Pending

Multiple choice single answer 17/60 Question

Arrow keys available to switch questions

17. Which is the most widely used VLAN assignment method?

- A. Interface-based VLAN assignment
- B. IP subnet-based VLAN assignment
- C. MAC address-based VLAN assignment
- D. Protocol-based VLAN assignment

**Congratulations! Correct Answer: A**

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Single-answer Question 30

Q 11 (15 points)

Q 12 (15 points)

Q 13 (15 points)

Q 14 (15 points)

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Q 16 (15 points)

Q 17 (15 points)

Q 18 (15 points)

Answered Pending

Multiple choice single answer 18/60 Question

Arrow keys available to switch questions

18. Which of the following statements about Fit AP+AC networking is true?

- A. The tunnel forwarding mode can reduce the forwarding pressure on the AC.
- B. A data tunnel and a control tunnel will be established between the AC and Fit AP.
- C. The AP version can be upgraded through HTTP.
- D. After a CAPWAP tunnel is established between the AC and Fit AP, keepalive packets are used to detect the status of the CAPWAP tunnel.

**Sorry ! Correct Answer: B**

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Single-answer Question 30

Q 11 (15 points)

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Q 13 (15 points)

Q 14 (15 points)

Q 15 (15 points)

Q 16 (15 points)

Q 17 (15 points)

Q 18 (15 points)

Q 19 (15 points)

Answered Pending

Multiple choice single answer 19/60Question Arrow keys available to switch questions

19. OSPF is configured on RTA, RTB, and RTC. GigabitEthernet 0/0/0 interfaces of these routers belong to area 0 and the network types of these interfaces are broadcast. The router ID of RTA is 1.1.1.1, and the DR priority of GigabitEthernet 0/0/0 on RTA is set to 0. The router ID of RTB is 2.2.2.2, and the DR priority of GigabitEthernet 0/0/0 on RTB is set to 255. The router ID of RTC is 3.3.3.3, and the DR priority of GigabitEthernet 0/0/0 on RTC is the default value. Which of the following statements is true about the DR and BDR on the network?

- A. RTA functions as the DR, and RTB as the BDR.
- B. RTB functions as the DR, and RTA as the BDR.
- C. RTC functions as the DR, and RTB as the BDR.
- D. RTB functions as the DR, and RTC as the BDR.

Sorry ! Correct Answer: D

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Single-answer Question 30

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Answered Pending

Multiple choice single answer 20/60Question Arrow keys available to switch questions

20. What is the network ID for the IP address 192.168.1.1/29?

- A. 192.168.1.255
- B. 192.168.1.0
- C. 192.168.1.7
- D. 192.168.1.4

Congratulations! Correct Answer: B

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Q 7 (15 points) [Answered] | Q 8 (15 points) [Answered] | Q 9 (15 points) [Answered] | Q 10 (15 points) [Answered] | **Single-answer Question 30** | Q 11 (15 points) [Answered] | Q 12 (15 points) [Answered] | Q 13 (15 points) [Answered] | Q 14 (15 points) [Answered] | Q 15 (15 points) [Answered] | Q 16 (15 points) [Answered] | Q 17 (15 points) [Answered] | Q 18 (15 points) [Answered] | Q 19 (15 points) [Answered] | Q 20 (15 points) [Answered] | **Q 21 (15 points) [Answered]** | [Pending]

Multiple choice single answer 21/60 Question | Arrow keys available to switch questions

21. The Network Configuration Protocol (NETCONF) provides a mechanism for managing network devices. Which of the following statements about NETCONF is false?

- A. NETCONF supports trial runs and rollback in case of errors.
- B. Yet Another Next Generation (YANG) is a data modeling language that standardizes NETCONF data content.
- C. NETCONF messages are formatted using either JSON or XML.
- D. If YANG files are not integrated into a device, the device does not support NETCONF.

Sorry ! Correct Answer: C

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Q 8 (15 points) [Answered] | Q 9 (15 points) [Answered] | Q 10 (15 points) [Answered] | **Single-answer Question 30** | Q 11 (15 points) [Answered] | Q 12 (15 points) [Answered] | Q 13 (15 points) [Answered] | Q 14 (15 points) [Answered] | Q 15 (15 points) [Answered] | Q 16 (15 points) [Answered] | Q 17 (15 points) [Answered] | Q 18 (15 points) [Answered] | Q 19 (15 points) [Answered] | Q 20 (15 points) [Answered] | Q 21 (15 points) [Answered] | **Q 22 (15 points) [Answered]** | [Pending]

Multiple choice single answer 22/60 Question | Arrow keys available to switch questions

22. OSPF authentication enables a device to encrypt OSPF packets by adding an authentication field to the packets, ensuring network security. Which of the following statements about OSPF authentication is false?

- A. OSPF authentication is classified into area authentication and interface authentication.
- B. Interface authentication is configured in the interface view and applies to all the packets received on the interface.
- C. Area authentication applies to the packets received on all the interfaces in a specific area.
- D. The authentication modes of two OSPF neighbors must be the same, that is, both of them either use interface authentication or use area authentication.

Congratulations! Correct Answer: D

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**Q 23 (15 points)**

Answered  Pending

Multiple choice single answer 23/60Question Arrow keys available to switch questions

23. A WLAN is constructed using wireless technologies. Which of the following statements about the WLAN networking is false?

- A. The service set identifier (SSID) identifies a wireless network and is represented using a character string.
- B. A basic service set (BSS) indicates an area covered by an AP.
- C. A virtual access point (VAP) is a service entity virtualized on an AP. All VAPs virtualized on the same AP has the same BSSID.
- D. The basic service set identifier (BSSID) identifies a wireless network and is represented using the MAC address of an AP.

**Congratulations! Correct Answer: C**

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**Q 24 (15 points)**

Answered  Pending

Multiple choice single answer 24/60Question Arrow keys available to switch questions

24. The ping and traceroute commands are used to check the network status. Which of the following statements about the ping and traceroute commands is false?

- A. The source IP address of packets to be sent can be specified in the traceroute command.
- B. The ping -s source-ip-address destination-ip-address command is used to specify the source and destination IP addresses of ICMP Echo Request packets.
- C. The ping command can be used to check connectivity to a destination address.
- D. The traceroute command can be used to check the gateways that packets pass through before reaching the destination.

**Sorry ! Correct Answer: B**

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■ Answered ■ Pending

25. The MAC address table of a switch is as follows:  
00-01-02-03-04-AA G0/0/1  
00-01-02-03-04-CC G0/0/3  
A data frame with the destination MAC address 00-01-02-03-04-BB is received on G0/0/1, and another data frame with the destination MAC address 00-01-02-03-04-CC is received on G0/0/3. How does the switch process the two data frames?

A. Floods the first frame and discards the second frame.

B. Forwards the first frame and discards the second frame.

C. Forwards the first frame and floods the second frame.

D. Floods the first frame and forwards the second frame.

Sorry ! Correct Answer: A

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■ Answered ■ Pending

26. Which of the following statements is true about APs in WLAN networking?

A. Fat APs need to work with an AC and are managed and configured by the AC in a unified manner.

B. Typically, APs use PoE power to facilitate deployment.

C. Fit APs can independently implement functions such as wireless user access, service data encryption, and service data packet forwarding.

D. An AC must be deployed in WLAN networks.

Sorry ! Correct Answer: B

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Answered  Pending

Multiple choice single answer 27/60Question Arrow keys available to switch questions

27. OSPF has multiple types of protocol packets. These packets play different roles in the interaction between OSPF routers. Which of the following packets describes summary information about the local LSDB and is used to synchronize the LSDBs of two routers?

- A. LSR packet
- B. DD packet
- C. Hello packet
- D. LSU packet

**Congratulations! Correct Answer: B**

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Multiple choice single answer 28/60Question Arrow keys available to switch questions

28. In the TCP/IP reference model, network layer protocols are responsible for sending packets from the source host to the destination host. Which of the following protocols is not a network layer protocol?

- A. PPP
- B. IPv4
- C. ICMP
- D. IGMP

**Congratulations! Correct Answer: A**

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■ Answered ■ Pending

Multiple choice single answer 29/60Question Arrow keys available to switch questions ⏪ ⏩

29. The Point-to-Point Protocol (PPP) is a common data link layer protocol for wide area networks (WANs). Which of the following statements about PPP is false?

- A. PPP supports the Password Authentication Protocol (PAP) and Challenge-Handshake Authentication Protocol (CHAP).
- B. If PPP uses password authentication mode, negotiation packets are transmitted in plain text, which is insecure.
- C. PPP uses the Link Control Protocol (LCP) to negotiate link control layer parameters.
- D. The establishment of a PPP link goes through three phases: link layer negotiation, network layer negotiation, and authentication.

**Sorry ! Correct Answer: D**

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■ Answered ■ Pending

Multiple choice single answer 30/60Question Arrow keys available to switch questions ⏪ ⏩

30. When a ping command is run on a network device to check the network connectivity, which type of packet will be sent by the network device?

- A. TCP
- B. IGMP
- C. UDP
- D. ICMP

**Congratulations! Correct Answer: D**

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Multiple choice single answer 31/60Question Arrow keys available to switch questions

31. Mastering the basic operations of the file system is crucial for network engineers to efficiently manage the configuration files and VRP system files of devices. Which of the following statements is true about these files?

- A. A configuration file stores configuration commands. The common file name extension is .cc.
- B. System software is mandatory for device startup and running. The common file name extension is .cfg.
- C. A PAF file effectively controls product features and resources. The common file name extension is .bin.
- D. A patch file is a type of software compatible with the system software. The common file name extension is .zip.

**Sorry ! Correct Answer: C**

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Multiple choice single answer 32/60Question Arrow keys available to switch questions

32. As shown in the following networking, the interfaces connecting R1, R2, R3, and R4 are running OSPF, and are all in area 0. On R1, a static route to the network segment 10.1.34.0/24 is configured using the ip route-static 10.1.34.0 24 10.1.13.32 command. Which of the following statements is true?

```

graph LR
    R1 ---|GE 0/0/1 10.1.12.21/24| R2
    R2 ---|GE 0/0/3 10.1.23.23/24| R3
    R3 ---|GE 0/0/1 10.1.34.1/24| R4
    R1 ---|GE 0/0/2 10.1.13.12/24| R3
  
```

- A. The routing table of R1 contains only the static route to the network segment 10.1.34.0/24.
- B. The routing table of R1 contains the OSPF route to the network segment 10.1.34.0/24, and the next hop of the route is 10.1.12.21.
- C. The routing table of R1 contains only the OSPF route to the network segment 10.1.34.0/24, and the next hop of the route is 10.1.13.32.
- D. The routing table of R1 contains both the static route and OSPF route to the network segment 10.1.34.0/24.

**Sorry ! Correct Answer: C**

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Multiple choice single answer 33/60Question Arrow keys available to switch questions

33. The following shows the routing table of a specific router:

Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface
172.16.1.0/24	OSPF	10	200	D	192.168.1.2	GigabitEthernet0/0/0
172.16.0.0/16	Static	5	0	RD	192.168.1.2	GigabitEthernet0/0/0
172.16.1.0/22	Static	80	0	RD	192.168.1.2	GigabitEthernet0/0/0

When data needs to be sent to the destination 172.16.1.1 through this router, which of the following routes is used?

A. Both static routes because their cost values are the same

B. Static route 172.16.1.0/22 with a preference of 80 and cost of 0

C. Static route 172.16.0.0/16 with a preference of 5 and cost of 0

D. OSPF route 172.16.1.0/24 with a preference of 10 and cost of 200

**Sorry ! Correct Answer: D**

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Multiple choice single answer 34/60Question Arrow keys available to switch questions

34. What is the valid VLAN ID range?

A. 0 to 4095

B. 1 to 4095

C. 0 to 4094

D. 1 to 4094

**Congratulations! Correct Answer: D**

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Multiple choice single answer 35/60 Question Arrow keys available to switch questions

35. Which of the following statements about edge ports is false?

- A. In most cases, edge ports are directly connected to user terminals.
- B. It takes 15 seconds for an edge port to change from the Disabled state to the Forwarding state.
- C. If an edge port receives a configuration BPDU, it becomes a common STP port.
- D. In normal situations, an edge port cannot receive configuration BPDUs.

**Sorry ! Correct Answer: B**

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```
#
aaa
authentication-scheme default
authorization-scheme default
accounting-scheme default
domain default
domain default_admin
local-user huawei password cipher %$$m]GrHmJ1mL[7&zCh^XQBUII]%%$$
local-user huawei privilege level 0
local-user huawei service-type telnet
#
```

- A. The huawei user can run the display current-configuration command.
- B. The huawei user can log in to the device through SSH.
- C. The authentication mode is local authentication.
- D. The authorization scheme is default and the authorization mode is non-authorization.

**Sorry ! Correct Answer: C**

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Multiple choice single answer 37/60 Question Arrow keys available to switch questions

37. The Domain Name System (DNS) protocol is used to resolve domain names to IP addresses. Which of the following statements about DNS is false?

- A. A DNS server maintains the database that stores the mappings between domain names and IP addresses and responds to the requests from the resolver.
- B. DNS supports recursive query.
- C. A domain name can be used to identify a host.
- D. DNS supports traversal query.

Sorry ! Correct Answer: D

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Multiple choice single answer 38/60 Question Arrow keys available to switch questions

38. A router has the following four specific routes:  
ip route-static 10.1.20.0 24 12.1.1.2  
ip route-static 10.1.21.0 24 12.1.1.2  
ip route-static 10.1.22.0 24 12.1.1.2  
ip route-static 10.1.23.0 24 12.1.1.2  
To summarize these specific routes, which of the following commands should be run?

- A. ip route-static 10.1.16.0 21 12.1.1.2
- B. ip route-static 10.1.0.0 16 12.1.1.2
- C. ip route-static 10.1.20.0 22 12.1.1.2
- D. ip route-static 10.1.20.0 23 12.1.1.2

Sorry ! Correct Answer: C

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Multiple choice single answer 39/60Question Arrow keys available to switch questions

39. Python can be used to implement automatic network deployment, operation, and maintenance, reducing the dependence on human resources. This resolves the problems with traditional network O&M. Which of the following statements about Python is false?

- A. Two forward slashes (//) can be used to mark a single-line comment.
- B. When a method is defined in a class, the method must carry a self keyword.
- C. A module is a saved Python file and usually does not have a main function.
- D. A class is a collection of objects with the same attributes and methods.

**Sorry ! Correct Answer: A**

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Multiple choice single answer 40/60Question Arrow keys available to switch questions

40. Which of the following is not a method for an AP to discover an AC address?

- A. Broadcast
- B. DNS
- C. OSPF
- D. Static configuration
- E. DHCP

**Congratulations! Correct Answer: C**

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**Multi-answer Question 20**

Q 41 (20 points) ■

■ Answered ■ Pending

Multiple choice multiple answer 41/60Question Arrow keys available to switch questions

41. A host at 192.168.1.1/24 on an intranet wants to access a server at 160.131.20.1 on a public network. Refer to the following configuration on a gateway router:  
[RTA]interface GigabitEthernet 0/0/0  
[RTA-GigabitEthernet0/0/0]nat outbound 2000  
Which of the following statements are true?

- A. The address 192.168.1.1 will be translated into the public network address of the interface GigabitEthernet 0/0/0 on the gateway router.
- B. The administrator configures the NAT Server.
- C. The administrator configures Easy IP.
- D. The address 192.168.1.1 will be translated into a public IP address in a public address pool.

**Sorry ! Correct Answer: AC**

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**Multi-answer Question 20**

Q 41 (20 points) ■

Q 42 (20 points) ■

■ Answered ■ Pending

Multiple choice multiple answer 42/60Question Arrow keys available to switch questions

42. Which of the following statements about IP addresses and MAC addresses are true?

- A. IP addresses are assigned based on the network topology.
- B. MAC addresses are assigned based on vendors.
- C. MAC addresses are unchangeable.
- D. IP addresses are unchangeable.

**Congratulations! Correct Answer: ABC**

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**Multi-answer Question** 20

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Multiple choice multiple answer 43/60Question Arrow keys available to switch questions

43. Which of the following parameters can be specified when an administrator configures an advanced ACL?

- A. Source and destination MAC addresses
- B. ICMP protocol type
- C. Source and destination port numbers
- D. Source and destination IP addresses

**Sorry ! Correct Answer: BCD**

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Multiple choice multiple answer 44/60Question Arrow keys available to switch questions

44. The route preference is an indicator used by a router to compare routes of different routing protocols. Which of the following statements are true about the default preference of common routes?

- A. The default preference of a direct route is 0.
- B. The default preference of an OSPF internal route is 10.
- C. The default preference of a static route is 60.
- D. The default preference of an OSPF external route is 255.

**Congratulations! Correct Answer: ABC**

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**Multi-answer Question** 20

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■ Answered ■ Pending

Multiple choice multiple answer 45/60Question Arrow keys available to switch questions

45. Network Address Translation (NAT) translates the IP address in an IP packet header into another IP address. Which of the following methods can implement NAT?

- A. NAT Server
- B. Static NAT/NAPT
- C. Dynamic NAT
- D. Easy IP

**Sorry ! Correct Answer: ABCD**

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**Multi-answer Question** 20

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■ Answered ■ Pending

Multiple choice multiple answer 46/60Question Arrow keys available to switch questions

46. A router can advertise default routes in an OSPF area. Which of the following statements about OSPF default route advertisement are false?

- A. After learning the default route advertised by the router, other routers in the same OSPF area as the router must add this route to their routing tables.
- B. The preference of the advertised default route in the routing table is 10.
- C. If there is no default route on the local device, the default-route-advertise always command can be run to advertise a default route in an OSPF area.
- D. The default-route-advertise command can be used to advertise a default route in an OSPF area only when the default route exists on the local device.

**Sorry ! Correct Answer: AB**

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Multiple choice multiple answer 47/60Question Arrow keys available to switch questions ⏪ ⏩

47. Which of the following are the advantages of a VLAN?

- A. Enhances LAN security.
- B. Improves network robustness.
- C. Limits broadcast domains.
- D. Flexibly constructs virtual workgroups.

**Congratulations! Correct Answer: ABCD**

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Multiple choice multiple answer 48/60Question Arrow keys available to switch questions ⏪ ⏩

48. In OSPF, which of the following network types require the election of a DR and BDR?

- A. BMA
- B. P2P
- C. P2MP
- D. NBMA

**Congratulations! Correct Answer: AD**

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■ Answered ■ Pending

Multiple choice multiple answer 49/60Question Arrow keys available to switch questions ⏪ ⏩

49. Refer to the following configuration:  
[huawei]interface eth-trunk 1  
[huawei-Eth-Trunk1]undo portswitch  
Which of the following statements about the undo portswitch command are true?

- A. This command enables a router to support Layer 3 link aggregation.
- B. This command enables a Layer 3 switch to support Layer 3 link aggregation.
- C. This command enables a Layer 3 switch to support Layer 2 link aggregation.
- D. This command enables a router to support Layer 2 link aggregation.

**Sorry ! Correct Answer: AB**

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Multiple choice multiple answer 50/60Question Arrow keys available to switch questions ⏪ ⏩

50. Which of the following statements about OSPF areas are true?

- A. The OSPF multi-area design can reduce the LSA flooding scope.
- B. Route summarization can be performed at the border of two OSPF areas to reduce the size of the routing table.
- C. OSPF multi-area improves network scalability and facilitates the construction of large-scale networks.
- D. OSPF areas can be classified into backbone areas and non-backbone areas.

**Congratulations! Correct Answer: ABCD**

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Multiple choice multiple answer 51/60Question Arrow keys available to switch questions

51. ACLs are used to match and distinguish packets. Which of the following information can be used to define ACL rules?

- A. Protocol type of Ethernet frames
- B. Source and destination MAC addresses
- C. VLAN ID
- D. Source and destination IP addresses of IPv4 packets

**Congratulations! Correct Answer: ABCD**

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**Multi-answer Question 20**

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52. The concept of Network Functions Virtualization (NFV) was proposed by a group of network service providers to solve problems such as too much telecom network hardware, complex deployment and O&M, and difficult service innovation. Which of the following components are included in the standard NFV architecture?

- A. NFVI
- B. VNF
- C. MANO
- D. OS

**Congratulations! Correct Answer: ABC**

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**Multi-answer Question 20**

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53. PPP over Ethernet (PPPoE) is a link layer protocol that encapsulates PPP frames into Ethernet frames. Which of the following statements about PPPoE are true?

- A. A PPPoE client can terminate a PPPoE session in unicast mode.
- B. PPPoE session establishment involves three stages: PPPoE discovery, session, and termination.
- C. PPPoE is often used by home users and enterprise users to dial up for Internet access.
- D. A PPPoE client broadcasts a request for the required service information.

**Congratulations! Correct Answer: ABCD**

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Multiple choice multiple answer 54/60Question Arrow keys available to switch questions

54. Which of the following are IPv6 address types?

- A. Unicast address
- B. Broadcast address
- C. Anycast address
- D. Multicast address

**Congratulations! Correct Answer: ACD**

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**Q 54 (20 points)**

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Multi-answer Question 20

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Q 55 (20 points)

■ Answered ■ Pending

55. An administrator wants to allocate IP addresses in the network segment 172.16.4.32/29 to hosts. Which of the following IP addresses can be allocated to hosts?

- A. 172.16.4.35 255.255.255.248
- B. 172.16.4.34 255.255.255.240
- C. 172.16.4.33 255.255.255.248
- D. 172.16.4.32 255.255.255.240

**Sorry ! Correct Answer: AC**

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Multiple choice multiple answer 56/60Question Arrow keys available to switch questions

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Q 43 (20 points)

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Q 46 (20 points)

Q 47 (20 points)

Q 48 (20 points)

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Q 50 (20 points)

Q 51 (20 points)

Q 52 (20 points)

Q 53 (20 points)

Q 54 (20 points)

Q 55 (20 points)

Q 56 (20 points)

■ Answered ■ Pending

56. IPv6 have many advantages over IPv4. Which of the following statements about these advantages are true?

- A. Supports the configuration of stateless address autoconfiguration (SLAAC) addresses.
- B. Provides a larger address space due to being 128 bits in length.
- C. Simplifies the packet header and supports new applications using extension headers.
- D. Uses gratuitous ARP to detect duplicate addresses.

**Sorry ! Correct Answer: ABC**

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Q 56 (20 points) ■

Q 57 (20 points) ■

■ Answered ■ Pending

Multiple choice multiple answer 57/60Question Arrow keys available to switch questions

57. Refer to the following configuration on the VTY user interface 0. When a user logs in to the system through VTY 0, which of the following statements are true?

```
<HUawei> system-view
[~HUawei] user-interface vty 0
[~HUawei-ui-vty0] user privilege level 2
```

- A. The user can use service configuration commands, including routing configuration commands.
- B. The user can use the debugging command to diagnose service faults.
- C. The user can use some display commands.
- D. The user can use the ping and traceroute commands.

**Sorry ! Correct Answer: ACD**

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Q 57 (20 points) ■

Q 58 (20 points) ■

■ Answered ■ Pending

Multiple choice multiple answer 58/60Question Arrow keys available to switch questions

58. A WLAN is a network that uses wireless signals such as radio waves, lasers, and infrared rays to replace the traditional media used for transmission on a wired LAN. Which of the following devices are commonly used on a WLAN?

- A. Wireless access controller (AC)
- B. Cloud AP
- C. Fit AP
- D. Fat AP

**Sorry ! Correct Answer: ABCD**

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Multiple choice multiple answer 59/60 Question | Arrow keys available to switch questions

59. Which of the following statements about Layer 2 hybrid ports are true?

- A. When a tagged frame needs to be sent from a Layer 2 hybrid port of a switch and the VID in the tag of the frame is in the untagged VLAN ID list, the port removes the tag from the frame and then sends the untagged frame out on the link.
- B. When a tagged frame needs to be sent from a Layer 2 hybrid port of a switch and the VID in the tag of the frame is in the tagged VLAN ID list, the port sends the frame out on the link without removing the tag from the frame.
- C. After receiving a tagged frame on a link, a Layer 2 hybrid port checks whether the VID in the tag of the frame is in the tagged or untagged VLAN ID list. If not, the port discards the frame.
- D. When receiving an untagged frame on a link, a Layer 2 hybrid port adds a tag with the VID as its PVID to the frame and then forwards the frame.

Sorry ! Correct Answer: ABC

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Multiple choice multiple answer 60/60 Question | Arrow keys available to switch questions

60. Which of the following statements about static and dynamic routes are true?

- A. Static routes have low requirements on the system and are applicable to simple, stable, and small-sized networks.
- B. When creating a static route, you must specify both the outbound interface and next hop.
- C. Dynamic routing protocols can be classified into distance-vector routing protocols and link-state routing protocols based on their working mechanism and routing algorithms.
- D. Dynamic routing protocols can automatically discover and generate routes and are more suitable for large-scale networks.

Sorry ! Correct Answer: ACD

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**QUESTION NO: 229** Refer to the graphic. An administrator has configured RIPv2 on the two routers, following which he implements the command `silent-interface s0/0/1` on RTA. What effect will this command have on the network? (Two Answers)

- A.RTA will continue to learn routes from RTB
- B.RTB will continue to learn routes from RTA
- C.RTA will have no neighbor relationship with RTB
- D.RTB will have no adjacency relationship with RTA

**Answer: A,D**

Refer to the graphic. R1, R2 and R3 are running RIPv1. R1 and R3 both advertise 172.16.0.0 to the RIP network. How will this affect R2

- A.R2 will not have a route to the networks 172.16.1.0/24 and 172.16.2.0/24
- B.R2 will only have a route to 172.16.1.0/24
- C.R2 will only have a route to 172.16.2.0/24
- D.R2 will have a route to both networks 172.16.1.0/24 and 172.16.2.0/24, but some packets for these destinations will be lost.

**Answer: D Explanation:**

**QUESTION NO: 228** After a command for displaying RIP route information is entered on a router, peer 192.168.1.2 on Serial1/0/0 is displayed in the returned result. What does 192.168.1.2 stand for?

- A.Address of a RIP neighbor
- B.Address of the port with the RIP protocol enabled
- C.Next hop address of the RIP route
- D.Transmission address of the RIP protocol

**Answer: A explanation**

**QUESTION NO: 227** A user can view the information for the RIP protocol on a router. What does "Age time" in the returned result of the command mean?

- A.The interval of updating an RIP packet
- B.The aging time of an RIP route
- C.The suppression time of an RIP route
- D.The time spent on switching between RIP routes

**Answer: B**

Which of the following commands is used to display the current running state and configuration of RIP?

A. display protocol rip

B. show rip

C. display rip

D. display this rip

**Answer: C**

18. Which of the following statements about the usage scenarios of the DHCP protocol is correct?

A. After the DHCP request or response message continues to be received in the DHCP, the message format is directly forwarded without modifying the message format

B. Multiple DHCP servers are not allowed in the network

C. The DHCP client and DHCP server must be connected to the same switch

D. If the DHCP client and the DHCP server are not in the same network segment, the DHCP message needs to be forwarded through the DHCP relay

Answer: D