

HUAWEI

Exam Questions H19-301_V4.0

HCSA-Presales-IP Network V4.0



NEW QUESTION 1

Which of the following are scenarios for using high-reliability converged gateway NetEngine AR8700-8?

- A. Enterprise headquarters
- B. Financial headquarters
- C. Refueling headquarters
- D. Retail headquarters

Answer: AB

NEW QUESTION 2

Which of the following is not a feature of Huawei's Mini-BNG solution?

- A. Small footprint
- B. Independent deployment
- C. Limited functions
- D. Lower power consumption

Answer: C

NEW QUESTION 3

Huawei Wi-Fi 7 stands out for exclusive Wi-Fi Shield technology. Specifically, the AP sends extra interference signals as noise to ensure that only the target station (STA) can accurately receive data packets and signals cannot be demodulated at other locations. This prevents malicious users from intercepting the packets, ensuring campus network security.

- A. True
- B. False

Answer: A

NEW QUESTION 4

Which of the following are the main Internet access modes provided by the Huawei SD- WAN Solution? (Select all that Apply)

- A. Centralized Internet access
- B. Remote Internet access
- C. Local Internet access
- D. Hybrid Internet access

Answer: ACD

NEW QUESTION 5

Which of the following technologies implements inter-device link aggregation, and can be used to build an active-active system to provide traffic load balancing and backup protection?

- A. Eth-Trunk
- B. Stack
- C. M-LAG
- D. LLDP

Answer: C

NEW QUESTION 6

Which of the following statements is false about Huawei's rail transportation wireless backhaul solution?

- A. Highly reliable active-active links are available.
- B. The solution can be used to carry the train signal system.
- C. The handover delay can be as low as 30 ms.
- D. Video backhaul is supported when a train is traveling at 160 km/h.

Answer: B

NEW QUESTION 7

Huawei NetEngine AR8100 routers can connect to up to 2000 SD-WAN sites.

- A. True
- B. False

Answer: A

NEW QUESTION 8

How many security devices can be managed by Huawei's SecoManager at most?

- A. 6000

- B. 7000
- C. 8000
- D. 5000

Answer: C

NEW QUESTION 9

What are the three components of Huawei's anti-DDoS solution? (Select all that Apply)

- A. Maintenance center
- B. Management center
- C. Detection center
- D. Cleaning center

Answer: BCD

NEW QUESTION 10

Huawei's hybrid cable 2.0 supports ultra-long-distance data transmission and power supply. The PoE+ power supply distance can be extended to 600 m.

- A. True
- B. False

Answer: A

NEW QUESTION 10

WLAN is a wireless local area network constructed using wireless technologies, including Wi-Fi, infrared, Bluetooth, and ZigBee.

- A. True
- B. False

Answer: B

NEW QUESTION 12

Huawei NetEngine AR6710-L14T2X4 supports only the convergence of SD-WAN and switches.

- A. True
- B. False

Answer: B

NEW QUESTION 17

Which of the following statements is false about Huawei CloudEngine S6750-S series switches?

- A. GE electrical or 10GE/25GE optical downlink ports, 25GE/100GE optical uplink ports, and on-demand selection of various ports
- B. Network slicing and VXLAN, one network for multiple services, and secure service isolation
- C. Telemetry-based data collection within seconds, and visualized and intelligent O&M
- D. MACsec supported on all ports
- E. Native WAC feature

Answer: D

NEW QUESTION 22

Huawei's data center network solution boasts ultra-stable and reliable core capabilities. Built on the open programmability platform AOC, it enables end-to-end deployment across clouds and vendors, with cross-cloud services going live in minutes. In collaboration with Ascend, the Huawei solution allows for plug-and-play network deployment and same-day delivery.

- A. True
- B. False

Answer: A

NEW QUESTION 25

Which of the following are the highlights of the Huawei SD-WAN Solution? (Select all that Apply)

- A. One network to multiple clouds, on-demand interconnection
- B. Large-scale networking, secure and reliable
- C. Integrated management, control, and analysis, intelligent O&M
- D. Intelligent traffic steering, superior experience

Answer: ABCD

NEW QUESTION 29

Which of the following lifecycles can be viewed in the SCP? (Select all that Apply)

- A. Components or part numbers
- B. Solutions
- C. Products
- D. BOQs

Answer: AC

NEW QUESTION 31

Huawei's innovative VIP user assurance solution utilizes the unique VIP FastPass and per- packet power control technologies to significantly increase the network bandwidth of VIP users.

- A. True
- B. False

Answer: A

NEW QUESTION 36

Which of the following quadrants of the 2024 Gartner® Magic Quadrant™ was Huawei's campus domain listed in?

- A. Niche Players
- B. Leaders
- C. Challengers
- D. Visionaries

Answer: B

NEW QUESTION 40

Huawei's Wi-Fi Shield technology allows unauthorized terminals to correctly parse data.

- A. True
- B. False

Answer: B

NEW QUESTION 44

Huawei CloudEngine S12700E is the core switch for 10 Gbps campus networks. How many different switch models with varying numbers of service slots are available in the CloudEngine S12700E family?

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

Answer: D

NEW QUESTION 45

Huawei AirEngine 8771-X1T is Huawei's first Wi-Fi 7 AP with an in-house chip, providing a rate of up to 18.67 Gbps.

- A. True
- B. False

Answer: A

NEW QUESTION 50

Which of the following are common layers in the TCP/IP five-layer model? (Select all that Apply)

- A. Application layer
- B. Network layer
- C. Radio layer
- D. Transport layer

Answer: ABD

NEW QUESTION 52

Which of the following is not a technical field of campus networks?

- A. Wireless LAN (WLAN)
- B. Wired LAN (switching network)
- C. SD-WAN
- D. WAN

Answer: D

NEW QUESTION 57

Which of the following networking schemes does Huawei's intelligent computing network offer to support ultra-broadband 400G for the networking requirements of AI models? (Select all that Apply)

- A. Two-layer Clos networking of modular switches
- B. Two-layer Clos networking of fixed switches
- C. Two-layer Clos networking of modular and fixed switches
- D. Three-layer networking of modular switches

Answer: AC

NEW QUESTION 58

The energy industry is one of the key industries that Huawei's WAN solution focuses on. Which of the following is not a highlight of Huawei's WAN solution for electric power?

- A. SRv6-based intelligent traffic steering: intelligent traffic steering based on delay and bandwidth
- B. MACsec encryption
- C. 10G FlexE, industry-leading low delay
- D. SDN-based automatic OSM O Jitter < 10 us

Answer: B

NEW QUESTION 59

Which of the following active-active architectures is supported by Huawei CloudEngine S8700 to achieve 50 ms fault failover and ensure uninterrupted services during device upgrade?

- A. Stack
- B. VRRP
- C. M-LAG
- D. Cluster

Answer: D

NEW QUESTION 64

The high-quality experience assurance card on Huawei CloudEngine S8700 is the core hardware of switches in the centralized application experience upgrade solution.

- A. True
- B. False

Answer: A

NEW QUESTION 67

In the scenario where the controller and analyzer are deployed together, which of the following functions is not supported?

- A. ERSPAN
- B. Multi-cloud simulation
- C. MDC
- D. IFIT

Answer: B

NEW QUESTION 72

Which of the following are features of Huawei's SecoManager? (Select all that Apply)

- A. Log management
- B. Automated orchestration
- C. Network-wide collaboration
- D. Intelligent optimization
- E. Unified management
- F. Anti-DDoS management

Answer: ABCEF

NEW QUESTION 74

Huawei's high-quality 10 Gbps campus network is experience-centric, providing high-quality network services for various industries based on three types of experience upgrade.

- A. True
- B. False

Answer: A

NEW QUESTION 79

Huawei high-reliability hub routers NetEngine AR6710-H4T4X2Y7 provide up to 4 Gbit/s forwarding performance while transmitting services.

- A. True
- B. False

Answer: A

NEW QUESTION 82

Which of the following is not a basic feature of SD-WAN?

- A. High-performance gateway
- B. Hybrid links
- C. One-click cloud migration
- D. Plug-and-play

Answer: C

NEW QUESTION 85

Huawei's WAN solution builds a connectivity foundation for industry intelligence based on the next-generation IPv6 Enhanced technical system.

- A. True
- B. False

Answer: A

NEW QUESTION 89

Which of the following statements is false about RR functions in the Huawei SD-WAN Solution?

- A. RRs distribute VPN routes and tunnel information between CPEs based on VPN topology policies.
- B. RRs must be deployed independently.
- C. RRs can be deployed on physical AR routers or AR6700V-L software vCPEs.
- D. RRs transmit BGP routes and reduce the number of BGP peers.

Answer: B

NEW QUESTION 93

What are the characteristics of Segment Routing?

- A. Its deployment is dependent on the controller.
- B. It introduces the source routing mechanism conforming to SDN.
- C. Its deployment is dependent on LDP and RSVP.
- D. It reduces the number of protocols and extends IGP/BGP to support label distribution without depending on LDP or RSVP.

Answer: BD

NEW QUESTION 98

Huawei NetEngine AR651EW is Huawei's first Wi-Fi 6-capable router.

- A. True
- B. False

Answer: A

NEW QUESTION 102

Which of the following statements are true about the highlights of CloudEngine S12700E series switches?

- A. Control and switching separation architecture, enabling on-demand configuration and flexible capacity expansion
- B. 4.8 Tbps/slot super forwarding, building a high-speed channel for Wi-Fi 6
- C. Redundancy design for key components, providing 99.999% reliability
- D. Ultra-large buffer and HQoS scheduling, ensuring user experience of key applications

Answer: ABCD

NEW QUESTION 106

In the past, network quality evaluation mainly focused on KPIs such as data transmission bandwidth, delay, and jitter. Now, network quality evaluation shifts its focus to service experience assurance. Which of the following are included in this regard? (Select all that apply)

- A. VIP user experience assurance
- B. Terminal experience assurance
- C. Wireless network experience assurance
- D. Audio and video application experience assurance

Answer: ABCD

NEW QUESTION 108

Huawei's anti-DDoS solution can be deployed in multiple scenarios. Which of the following are anti-DDoS deployment scenarios? (Select all that Apply)

- A. Flow inspection and dynamic traffic diversion
- B. In-line deployment
- C. Off-path deployment and static traffic diversion
- D. Per-packet inspection and dynamic traffic diversion

Answer: ABC

NEW QUESTION 110

From digital to intelligent transformation, data communication networks face new challenges, including wireless networks, video-based applications, rapid growth of AI computing power, migration of critical services to the cloud, and ubiquitous threats.

- A. True
- B. False

Answer: A

NEW QUESTION 113

Which of the following technologies are advantages of Huawei Wi-Fi?

- A. AI roaming
- B. Industry-leading smart antennas
- C. Intelligent multimedia scheduling
- D. MU-MIMO + OFDMA + MRU converged scheduling

Answer: ABCD

NEW QUESTION 116

Which of the following controllers supports unified LAN/WAN management?

- A. iMaster NCE-Fabric
- B. iMaster NCE-Campus
- C. iMaster NCE-IP
- D. iMaster NCE-WAN

Answer: C

NEW QUESTION 117

Where can Huawei's WAN solution be used in the financial industry? (Select all that Apply)

- A. Integrated information bearer network
- B. Vehicle-ground communication network
- C. Interconnection and load balancing between backbone clouds
- D. Agile cloud migration of bank branches

Answer: ACD

NEW QUESTION 119

Which of the following are the highlights of Huawei's NetEngine 8000 X series routers? (Select all that Apply)

- A. Large-scale Layer 2 and Layer 3 services
- B. High-density 100GE
- C. All-in-one multi-service platform, supporting all-service capabilities (SR/BNG/CGN/IPsec/SA 5-in-1 design)
- D. Larger capacity and higher performance, 19.2T per slot
- E. Multi-platform convergence (e.g., P/PE, private line, IGW, and DC-GW scenarios)

Answer: ABCE

NEW QUESTION 121

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