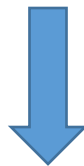


Juniper JNCDA Certification JN0-1100 Exam



- Vendor: Juniper
- Exam Code: JN0-1100
- Exam Name: Juniper Networks Certified Design Associate (JNCDA)

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QUESTION 1

You want to use standard cabling instead of crossover cabling in an environment without MDIX. In which two situations would this apply? (Choose two.)

- A. server-to-switch
- B. computer-to-switch
- C. computer-to-computer
- D. switch-to-switch

Answer: AB

QUESTION 2

Virtual Chassis solutions for large campus networks are designed to eliminate the requirement for which protocol?

- A. SNMP
- B. IPv6
- C. OSPF
- D. STP

Answer: D

QUESTION 3

Which two industry standard automation platforms are used to provision Juniper data center switches? (Choose two.)

- A. Python
- B. Chef
- C. OpenView
- D. Tivoli

Answer: AB

QUESTION 4

What are three use cases for Data Center Interconnect? (Choose three.)

- A. security
- B. layer 2 extension
- C. disaster recovery
- D. geoclustering
- E. ease of management

Answer: BCE

QUESTION 5

Which name is used by a service provider to identify the edge device inside the central office facing the customer?

- A. LSR
- B. PE
- C. CE

D. P

Answer: B

QUESTION 6

What is an example of a port-based network access control protocol?

- A. 802.1q
- B. 802.1x
- C. 802.3x
- D. 802.1r

Answer: B

QUESTION 7

What are two features used to enable high availability? (Choose two.)

- A. VRRP
- B. chassis clustering
- C. full duplex mode
- D. SNMP

Answer: AB

QUESTION 8

You are planning to add equipment into a data center environment. What are three physical environmental considerations? (Choose three.)

- A. IP addressing
- B. floor loading
- C. rack door positioning
- D. VLAN assignments
- E. hot/cold aisle deployment

Answer: BCE

QUESTION 9

You are examining the customer's IT organization and its responsibilities to determine how it will be impacted by your design. In this scenario, which three business functions are typically provided? (Choose three.)

- A. network architecture and design
- B. compute resource provisioning
- C. manufacturing
- D. network operations
- E. product marketing

Answer: ABD

QUESTION 10

Which two metrics are important for determining the size and scope of a new network design? (Choose two.)

- A. implementation time frame
- B. number of users
- C. location of users
- D. training requirements

Answer: BC

QUESTION 11

A service provider has requested that you develop a design for a new network deployment focused on a call center customer. What are two success criteria from the stakeholder's point of view with respect to this network deployment? (Choose two.)

- A. easy deployment of the solution by the service provider
- B. requirement for secure data transmissions
- C. multicast stream replication must follow MSDP path
- D. end user demand for low latency voice connections

Answer: BD

QUESTION 12

You are consulting in a network architect role for a multinational corporation. As part of your contract, you have been asked to propose an update to the company's network design. You have completed the initial design draft. Which statement describes what you should do next in your project?

- A. Begin to plan for a proof-of-concept demonstration to show why your design is superior to the current network.
- B. Schedule a time with the board of directors to present the proposed solution.
- C. Schedule the first phase of implementation.
- D. Share the design with the other network administrators and solicit feedback.

Answer: D

QUESTION 13

What are three considerations for network capacity planning? (Choose three.)

- A. number of users
- B. application behavior
- C. user locations
- D. network management platform
- E. security regulations

Answer: ABC

QUESTION 14

You have an access switch that must connect to an aggregation switch. The two switches are 2,600 feet (800 meters) apart. Which type of media would be used to connect the Layer 2 switches?

- A. multimode fiber
- B. single-mode fiber
- C. cat5 cable
- D. cat6E cable

Answer: B

QUESTION 15

Your corporate campus consists of a single large building with several thousand users. Functional groups are each located in a separate area of the building with their proprietary data hosted locally. Some communication occurs between the various groups and must be tightly restricted. Which technology should be used to accomplish this task?

- A. intrusion prevention system
- B. firewall
- C. router
- D. switch

Answer: B

QUESTION 16

What is a feature provided by devices in the WAN aggregation site of a large enterprise WAN deployment?

- A. Internet gateway
- B. MACsec
- C. power redundancy
- D. DHCP

Answer: A

QUESTION 17

You are designing network connectivity into a mission critical site. What are three design elements required to complete this design? (Choose three.)

- A. diverse entrance facilities
- B. firewall cluster
- C. 802.11 wireless point-to-point
- D. DSL/cable modem service
- E. redundant Internet border routers

Answer: ABE

QUESTION 18

Which type of platform would be used to correlate data and logs from many different network and security appliances?

- A. Juniper Secure Analytics
- B. MX Series routers
- C. Pulse Secure
- D. QFabric

Answer: A

QUESTION 19

Your customer is a government organization with strict security requirements. They want to expand

their Layer 2 infrastructure between multiple buildings within the same campus environment. They also want to ensure that no unauthorized devices are connected between the switches in the different buildings. Which solution ensures data security in this environment?

- A. Use PNAC on all inter-switch connections.
- B. Use LLDP on all inter-switch connections.
- C. Use LACP on all inter-switch connections.
- D. Use MACsec on all inter-switch connections.

Answer: A

QUESTION 20

A large insurance firm wants to design a network for 150 remote stores and branch offices. What are three basic design approaches for the wide area network? (Choose three.)

- A. fully meshed
- B. peer-to-peer
- C. ring
- D. partially meshed
- E. hub-and-spoke

Answer: ADE

QUESTION 21

A regional retail store has requested a WAN upgrade proposal. You have been collecting their requirements. Which three inputs would be included in your proposal? (Choose three.)

- A. in-store WiFi
- B. existing network environment
- C. level of virtualization
- D. number of stores
- E. budget

Answer: BDE

QUESTION 22

Your customer is experiencing problems with session drops and high response time. You are asked to provide redesign suggestions to minimize these problems. You examine the applications that are supported by your customer's network to try to identify problem factors. Which two factors are important from an application-driven network impact perspective? (Choose two.)

- A. presence of elephant flows
- B. IGP protocols in use
- C. use of HTTPS protocols by the application
- D. short timers

Answer: AD

QUESTION 23

What is the maximum length recommended for a single cat6E cable?

- A. 328 feet (100 meters)

- B. 1000 feet (300 meters)
- C. 3280 feet (1000 meters)
- D. 100 feet (30 meters)

Answer: A

QUESTION 24

What is the maximum number of chassis supported in an SRX Series chassis cluster?

- A. ten
- B. twenty
- C. four
- D. two

Answer: D

QUESTION 25

Your company's network consists of your headquarters location plus several dozen remote offices. Remote office users are often unable to access data housed in the headquarters data center due to connectivity issues. You must update the network to provide reliable access to corporate assets for remote office users. Which technology is critical to your design project?

- A. IPsec
- B. WAN acceleration
- C. WAN aggregation
- D. QoS

Answer: A

QUESTION 26

Your customer is engaged in healthcare service support. What are two considerations when designing their network? (Choose two.)

- A. number of PoE switch ports
- B. secure control of access to network components
- C. support for time stamping of data transfers
- D. control of access to sensitive information

Answer: BD

QUESTION 27

What are two phases in Juniper's lifecycle approach when designing a network? (Choose two.)

- A. plan
- B. build
- C. buy
- D. oversee

Answer: AB

QUESTION 28

In a bring-your-own-device deployment, where would non-authenticated users be placed?

- A. C-VLAN
- B. guest VLAN
- C. production VLAN
- D. S-VLAN

Answer: B

QUESTION 29

What is the function of the core tier in a traditional three tier Layer 2 network environment?

- A. The core tier connects to the Internet and with lower tier Layer 2 devices to provide Layer 3 gateway services for the network.
- B. The core tier interfaces with lower tier devices and provides a high-speed interconnect with the north-bound WAN edge device.
- C. The core tier provides network connectivity to end-user devices and other hosts and enforces network access policy.
- D. The core tier relays traffic between the lower tier Layer 2 devices and functions as the gateway to the upper tier device.

Answer: B

QUESTION 30

What are three industry best practices for configuration management? (Choose three.)

- A. Define a consistent device naming convention.
- B. Use a central logging server.
- C. Use the rollback feature frequently.
- D. Back up all of the configurations frequently.
- E. Use descriptive fields in device configurations.

Answer: ADE

QUESTION 31

Which statement describes brownfield deployments?

- A. Brownfield deployments allow for more modular and scalable design than greenfield deployments.
- B. Brownfield deployments are commonly used and can be restrictive.
- C. Brownfield deployments are considered more expensive than greenfield deployments.
- D. Brownfield deployments use all new equipment.

Answer: B

QUESTION 32

What is a defining characteristic of a Layer 3 network?

- A. A Layer 3 network segments broadcast traffic.
- B. A Layer 3 network forwards all traffic to a default gateway.
- C. A Layer 3 network forwards only multicast traffic.
- D. A Layer 3 network segments traffic at the presentation layer.

Answer: A

QUESTION 33

Which two applications suggest that the network should be engineered to support QoS/CoS functionality? (Choose two.)

- A. video conferences
- B. e-mail
- C. voice over IP (VoIP)
- D. customer relationship management (CRM)

Answer: AC

QUESTION 34

What is the name of Juniper's network management platform?

- A. Junos
- B. Junos Space
- C. MX Series
- D. Juniper Secure Analytics (JSA)

Answer: B

QUESTION 35

You want to stretch Layer 2 traffic between two data centers. Which three open standards protocols would be used for this task? (Choose three.)

- A. EVPN
- B. OTV
- C. VPLS
- D. FabricPath
- E. GRE

Answer: ACE

QUESTION 36

Which popular data center architecture provides improved availability between two switching nodes?

- A. MPLS traffic engineering
- B. multichassis link aggregation
- C. 802.1br
- D. fabric Clos architecture

Answer: D

QUESTION 37

Which two mechanisms allow administrators to authenticate on a Junos OS device? (Choose two.)

- A. Active Directory
- B. TACACS+
- C. LDAP

D. RADIUS

Answer: BD

QUESTION 38

In reviewing the customer's IT organization, you must determine the corporate model for IT funding. Which two models would you encounter in this scenario? (Choose two.)

- A. direct revenue model
- B. cost center
- C. profit center
- D. investment center

Answer: BC

QUESTION 39

SRX Series devices support which type of HA feature?

- A. logical systems
- B. HSRP
- C. chassis clustering
- D. Virtual Chassis

Answer: C

QUESTION 40

What are two tiers used in a traditional data center design? (Choose two.)

- A. core
- B. aggregation
- C. compute
- D. user

Answer: AB

QUESTION 41

Which statement describes a data center is right?

- A. The data center locally hosts thousands of users with wired connections, all with three to four active devices.
- B. The data center typically involves high density topologies with multiple points of access.
- C. The data center encompasses a broad area that is used to interconnect business locations and resources.
- D. The data center houses the computing resources and services used by a company.

Answer: D

QUESTION 42

Your customer is deploying a new unified communications (UC) solution and business managers want to ensure that network users adopt and use the new solution. Which two statements describe how you would meet the business managers' objectives? (Choose two.)

- A. Ensure that the solution is easy to manage for the IT staff.
- B. Ensure that the solution is cost effective.

- C. Ensure that the solution is easy to use for the end user.
- D. Ensure that the solution provides a high quality experience for the user.

Answer: CD

QUESTION 43

What is the function of the access tier in a traditional Layer 2 network environment with dispersed VLAN connectivity requirements?

- A. The access tier provides network connectivity to end-user devices and other hosts, and enforces network access policy.
- B. The access tier interfaces with lower tier devices and provides a high-speed interconnect with the north-bound WAN edge device.
- C. The access tier connects to the Internet and with lower tier Layer 2 devices to provide Layer 3 gateway services for the network.
- D. The access tier relays packets between the lower tier Layer 2 devices and functions as the gateway to the upper tier device.

Answer: A

QUESTION 44

You are working on a campus design for a customer who has acquired a building across the street from the main facility. The recently acquired building was built in 1979 and has not been updated to support the demands of current network technologies. The building must support high-speed network connections for all users working at the location. Which two elements would you consider when analyzing connectivity and throughput requirements for this new location? (Choose two.)

- A. the hierarchical modules used within each group at the new location
- B. the data received from a traffic analysis
- C. the condition of the physical media at the new location
- D. the type of business the customer is in

Answer: BC

QUESTION 45

You are asked to examine the infrastructure requirements needed to provision a new network build in support of a customer who wants to take advantage of their service provider's MPLS/VPN offering. Which three considerations would be relevant to this work? (Choose three.)

- A. supplicant roles in the current network layout
- B. server hypervisor and host OS selection
- C. backdoor connectivity requirements
- D. IGP protocols deployed in the customer environment
- E. site-to-site versus site-to-hub communications

Answer: CDE

QUESTION 46

What is the function of the aggregation tier in a traditional three tier Layer 2 network environment?

- A. The aggregation tier interfaces with lower tier Layer devices and provides a high-speed interconnect with the north-bound WAN edge device.

- B. The aggregation tier relays packets between the lower tier Layer 2 devices and functions as the gateway to the upper tier Layer 2 device.
- C. The aggregation tier provides network connectivity to end-user devices and other hosts and enforces network access policy.
- D. The aggregation tier connects to the Internet and with lower tier Layer 2 devices to provide Layer 3 gateway services for the network.

Answer: B

QUESTION 47

You are asked to secure a branch location in your network. Which two actions would accomplish this task? (Choose two.)

- A. Configure an IPsec VPN back to headquarters.
- B. Configure MC-LAG on the branch's edge router.
- C. Separate VLANs for each user group.
- D. Configure OSPF areas in the core.

Answer: AC

QUESTION 48

Which three characteristics are associated with the Physical Layer of the OSI reference model? (Choose three.)

- A. cables
- B. routing protocols
- C. electricity
- D. full duplex communications
- E. TCP/IP

Answer: ACD

QUESTION 49

Which network model would be appropriate for a 30-story building occupied by a single enterprise?

- A. data center network
- B. campus network
- C. branch office network
- D. service provider network

Answer: B

QUESTION 50

You are working with a customer who specializes in selling custom toy boxes in more than 50 stores. The customer's financial information must be kept secure. Which security standard should you include in your design proposal?

- A. user-based firewall
- B. NAC
- C. BYOD
- D. PCI compliance

Answer: D

QUESTION 51

Which two groups within the IT organization will likely need training if a new type of network equipment is deployed throughout the enterprise? (Choose two.)

- A. application development
- B. systems administrators
- C. network engineering
- D. network operations

Answer: CD

QUESTION 52

What are three advantages of out-of-band (OoB) management over in-band management? (Choose three.)

- A. OoB allows the use of Telnet as a management protocol.
- B. OoB provides increased network security.
- C. OoB is more cost-effective when purchasing equipment.
- D. OoB provides more reliable management access.
- E. OoB frees up network bandwidth on campus switches.

Answer: BDE

QUESTION 53

Which solution would ensure that voice traffic is treated with a higher priority than data traffic throughout a network?

- A. class of service
- B. routing instance
- C. 802.1Q VLAN tags
- D. link aggregation

Answer: A

QUESTION 54

Your customer is a growing enterprise with limited capital to invest in network expansions. They have noticed performance problems in their campus LAN, which have been traced back to a high over subscription ratio between the aggregation and core layers. The customer's aggregation and core switches are connected using a single 1GbE connection. Which solution improves network performance?

- A. Add additional 1GbE connections between the aggregation and core layers with LACP.
- B. Add additional 1GbE connections between the aggregation and core layers with MACsec.
- C. Add additional 1GbE connections between the aggregation and core layers with PNAC.
- D. Add additional 1GbE connections between the aggregation and core layers with LLDP.

Answer: A

QUESTION 55

Which three elements would affect user data flows in a customer's existing network? (Choose three.)

- A. QoS policies
- B. budget
- C. log collection
- D. traffic behavior
- E. existing applications

Answer: ADE

QUESTION 56

Your corporate campus consists of a single large building with several thousand users. Employees are located randomly throughout the building. Accounting employees are mixed in with engineers and sales. You want to separate users into functional groups. Which technology should be used to accomplish this task?

- A. VLAN
- B. MPLS
- C. OSPF
- D. IPsec

Answer:

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