BROCADE

Brocade University

Brocade Certified Fabric Designer Gen 5 Practice Questions For Exam 143-280

Section 1

1) What are three organizational limitations when designing a new SAN infrastructure? (Choose three.)

A) personnel availability
B) connecting to legacy hardware
C) policy limitations
D) functionality separation
E) software limitation

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2) What are three parts of the network design phase? (Choose three.)

A) change management
B) data collection
C) data analysis
D) prototype for testing
E) transition to new design

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3) Which three tools would be used to capture traffic, utilization, and performance information from an existing fabric? (Choose three.)

A) Brocade SAN Health
B) Monitoring and Alerting Policy Suite (MAPS)
C) Flow Vision
D) Brocade Network Advisor
E) ClearLink Diagnostics

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4) You are required to design a fabric that is resilient.

What are two factors that would cause problems with the design? (Choose two.)

A) faulty media
B) high number of storage ports
C) mixed use of OM fiber types
D) use of switches instead of Directors

Section 2

5) You are designing a fabric that will be monitored using MAPS.

Which two events should be monitored that would impact performance? (Choose two.)

A) stuck VC condition
B) I/O packet loss
C) I/O performance impact
D) I/O frame loss

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6) You need to design a fabric to mirror data between sites that are 50 km apart. You want to create a 10 Gbps FCIP tunnel between the two sites using 1 GbE ports.

Which Brocade switch would you use?

A) Brocade 7800 switch
B) Brocade 7840 switch
C) Brocade 6520 switch
D) Brocade DCX 8510-8 switch

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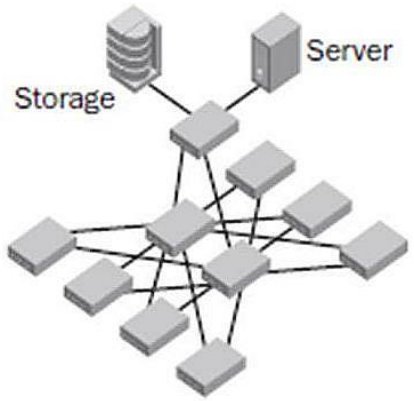
7) You have three fabrics within your company and want to create a backbone fabric to allow inter-fabric device sharing.

How many switches and IFLs must be configured to provide dual redundant connections between each edge fabric and the backbone, while eliminating single points of failure within the backbone?

A) one backbone switch with three IFLs
B) one backbone switch with six IFLs
C) two backbone switches with three IFLs
D) two backbone switches with six IFLs



8) Referring to the exhibit, what are two attributes of the fabric design? (Choose two.)

A) It does not scale well.
B) Traffic is localized.
C) This is a highly redundant topology.
D) It provides simplified manageability.

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9) You have a dual core topology with AG modules connecting to the core.

How should you connect the AG modules to provide equal connectivity to each core? (Choose two.)

A) Connect the AG modules to each core switch; create port groups for each core.
B) Connect each AG module to an FC switch that is ISL connected to each core.
C) Connect each AG module to each core switch; allow the AG module to route traffic to the appropriate core switch.
D) Connect each AG module to one core switch and use FCR to connect the cores together.

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10) You are planning a technology refresh of an existing fabric in your data center.

Which information is required? (Choose two.)

A) physical real estate availability
B) number of Ethernet switches deployed
C) OM level of fiber cable used
D) number of drives in the storage arrays

Section 3

11) A customer is designing dual redundant fabrics with Brocade DCX backbones. One of the requirements is that all traffic should be monitored and logged for historical performance analysis.

Which Brocade tool will meet the customer needs in this design?

A) ClearLink Diagnostics
B) Brocade Network Advisor
C) Top Talkers
D) NET Health

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12) A customer SAN is experiencing congestion and you believe that a port is transmitting frames faster than the device can accept the data.

Which two tools would you use to identify the problem? (Choose two.)

A) Top Talkers
B) MAPS
C) End-to-End Monitoring
D) Bottleneck Detection

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13) A requirement for the new SAN is to configure automatic notification of switch events.

Which two tools would be used to accomplish these criteria? (Choose two.)

A) Call Home
B) MAPS violations notification
C) Historical Performance Reports
D) Dashboard Timeline

Section 4

14) You are designing a new Brocade Gen 5 fabric and need to connect 15 remote sites that are over 20 km away from each other.

Which device would meet this requirement?

A) Brocade 8470 switch
B) Brocade 6520 switch
C) Brocade 7500 switch
D) Brocade 7840 switch

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15) A customer needs their SAN fabric to support 2, 4, 8, 10, and 16 Gbps speeds.

Which two Brocade products would satisfy the requirement? (Choose two.)

A) FC16-32
B) FC16-48
C) FC16-64
D) FX8-24

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16) A customer has eight fixed form factor switches in an edge-core topology with 224 total ports, including 56 ISL ports. The new design requires reducing latency and minimizing the number of physical switches to manage.

Which two configurations satisfy the requirements? (Choose two.)

A) Brocade DCX 8510-4 with four FC16-48 port blades
B) two Brocade 6520s with four ISL between switches
C) Brocade DCX 8510-8 with four FC16-48 port blades
D) Brocade 6510 edge switches connected to a Brocade DCX 8510-4 core switch

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18) You have a Brocade 6520 switch with Virtual Fabrics and Fibre Channel Routing enabled. A base switch is configured.

How many additional logical switches are configurable in this Brocade 6520?

A) 2
B) 5
C) 7
D) 11

Section 5

19) You have a customer that has two Brocade DCX 8510-8s in two data centers that are 80 km apart. They will be connecting through a 10 Gbps DWDM device. The device is handling the buffering for the long distance. In each data center, the 8510-8 and the DWDM devices are in the same room. The customer wants to use the full 10 Gbps bandwidth.

What would meet the requirement?

A) Use ELWL SFP on the 8510-8 ports that connect to the DWDM.
B) Use the 10 Gbps FCIP/Fibre Channel license.
C) Use the Extended Fabric license.
D) Configure LS mode on the 8510-8 ports that connect to DWDM.

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20) Your company wants to connect a Brocade Gen 5 fabric to three remote offices 70 km away. They would like to use their existing IP network and keep the networks separate.

Which device would you use accomplish this task?

A) Brocade 8740
B) Brocade 7800
C) Brocade 6510
D) Brocade 6520

Section 6

21) A customer designed a Brocade Gen 5 fabric and noticed traffic-based congestion on the ISLs.

Which solution applies?

A) Increase buffer credits.
B) Add ISLs.
C) Enable trunking.
D) Implement Traffic Isolation Zones.

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22) A customer designed a Brocade Gen 5 Virtual Fabric with several logical switches connected to two sites.

Which solution prevents the logical switches from being impacted by latency on the base fabric?

A) Implement an ISL between logical switches.
B) Disable XISL usage on the base switch.
C) Enable XISL usage on the default switch.
D) Implement trunking on the base fabric.

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23) You have a Brocade Gen 5 fabric with 5,000 ports. Your customer DBAs are complaining about slow response on their database. You suspect that there are some misbehaving devices in the fabric. They want you to tune and optimize performance.

Which design change would you make to identify the problem? (Choose two.)

A) Add port fencing to your design.
B) Add Traffic Isolation Zones to your design.
C) Add Bottleneck Detection to your design.
D) Add additional ISLs to your design.

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24) You need a solution for your fabric design that will limit interruptions when a link is lost and improve performance for edge devices.

Which Brocade feature will accomplish this goal?

A) DLS
B) F_Port Trunking
C) Traffic Isolation Zones
D) QoS zones

Section 7

25) You are asked by your customer to offer migration and design options for a SAN technology upgrade, using the dual fabric migration technique.

What are two considerations when using this method? (Choose two.)

A) The host and the respective storage should not be moved together.
B) New fabrics are built alongside the old fabrics.
C) There are no compatibility concerns between old and new switches.
D) The hosts cannot exist on both old and new fabrics at the same time.

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26) A customer uses dual fabrics with Brocade DCX 8510 backbones and FX8-24 FCIP blades 24x7. Both fabrics need to be upgraded to Fabric OS v7.3. They want to avoid the risk of losing FCIP traffic.

What should be done to satisfy this requirement?

A) Stop FCIP traffic in fabric A; upgrade fabric A; re-start FCIP traffic in fabric A; repeat steps for fabric B after fabric A proves to work correctly.
B) Stop FCIP traffic in fabrics A and B; upgrade fabrics A and B; re-start FCIP traffic in fabrics A and B.
C) Upgrade fabrics A and B; re-start FCIP traffic in fabrics A and B.
D) Execute a failover of FCIP traffic from fabric A to fabric B; perform the upgrade and repeat for fabric B.

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27) You want to use the unused ports of your fabric. Before deploying them, you want to test the link distance and link saturation to validate the recommended configuration.

Which tool would be used for this task?

A) Flow Monitor
B) ClearLink Diagnostics
C) Bottleneck Monitoring
D) Top Talkers Port Mode Monitoring

Section 8

28) Which policy is used to restrict the device ports that connect to switch ports?

A) SCC
B) DCC
C) ACL
D) FCS

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29) Which policy is used to restrict which FC switches join the fabric?

A) DCC
B) FSC
C) SCC
D) IP Filter

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30) Which predefined Fabric OS role is configured to allow most local switch commands, excluding: security, user management, and zoning commands?

A) Admin
B) Basic Switch Admin
C) Switch Admin
D) User
