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Vendor: EMC

Exam Code: E20-616

Exam Name: Symmetrix Installation and Troubleshooting
Specialist

Version: Demo

QUESTION 1

What is the maximum amount of cache that can be configured in a Symmetrix VMAX 20K?

- A. 128 GB / engine
1 TB / array
- B. 128 GB / engine
512 / array
- C. 256 GB / engine
1 TB / array
- D. 256 GB / engine
2 TB / array

Correct Answer: D

QUESTION 2

Which component types are installed in a VMAX 10K Storage Bay?

- A. DAE, PDP, PDU, LCC
- B. DAE, PDP, PDU, SPS
- C. LCC, SPS, PDP, PDU
- D. DAE, FAN, PDU, SPS

Correct Answer: A

QUESTION 3

What is the maximum number of drives that can be configured in a Symmetrix VMAX 10K (959)/VMAXe with Standard DAE configuration?

- A. 3200
- B. 2400
- C. 1560
- D. 1080

Correct Answer: D

QUESTION 4

What is the maximum number of 3.5 inch drives that can be configured in a Symmetrix VMAX 20K?

- A. 2400
- B. 3200
- C. 1080
- D. 1560

Correct Answer: A

QUESTION 5

A customer using a VMAX 20K containing 2 high density storage bays, each containing 250 drives wants to expand their capacity with 100 drives.

What is the least expensive way to expand the existing configuration, but still a good choice for optimal performance in this configuration?

- A. Add two DAEs to each storage bay, each containing 25 drives
- B. Add four DAEs to the first storage bay, each containing 25 drives
- C. Add two storage bays, one to each loop and each bay containing 2 DAEs with 25 drives each
- D. Add one storage bay containing four DAEs with 25 drives each to the first loop

Correct Answer: A

QUESTION 6

A customer using a VMAX 20K containing 2 standard storage bays, each containing 90 drives wants to expand their capacity to 120 drives. What is the least expensive way to expand the existing configuration, but still a good choice for optimal performance in this configuration?

- A. Add four DAEs to each storage bay, each containing 15 drives
- B. Add eight DAEs to the first storage bay, each containing 15 drives
- C. Add two storage bays, one to each loop and each bay containing four DAEs with 15 drives each
- D. Add one storage bay containing eight DAEs with 15 drives each to the first loop

Correct Answer: A

QUESTION 7

In a cascaded SRDF/EDP configuration, which device type is used as a cache only device?

- A. R21
- B. R22
- C. R11
- D. Standard Clone

Correct Answer: A

QUESTION 8

Which SRDF/A feature offloads from cache to a dedicated device pool?

- A. Delta Set Extension
- B. Write Pacing
- C. Transmit Idle
- D. SRDF Compression

Correct Answer: A

QUESTION 9

Which SRDF/A feature prevents cache overflow on either the R1 or R2 devices?

- A. Write Pacing
- B. Transmit Idle
- C. SRDF Compression
- D. Delta Set Extension

Correct Answer: A

QUESTION 10

Which set of interface types support hardware compression on VMAX 40K?

- A. 10 GigE and FC
- B. FC and FCoE
- C. FCoE and 10 GigE
- D. 1 GigE and FCoE

Correct Answer: A

QUESTION 11

Which set of VMAX interface types support software compression with SRDF?

- A. FC and 10 GigE
- B. FCoE and FC
- C. 10 GigE and FCoE
- D. Ficon and 10 GigE

Correct Answer: A

QUESTION 12

What is the status of the R1 and R2 devices after a SRDF Split operation is performed?

- A. R1 is Read-Write R2 is Read-Write
- B. R1 is Read-Write R2 is Read-Only
- C. R1 is Write Disabled R2 is Read-Write
- D. R1 is Read-Only R2 is Read-Write

Correct Answer: A

QUESTION 13

What is the status of the R1 and R2 devices after a SRDF Failback operation is performed?

- A. R1 is Read-Write R2 is Write Disabled
- B. R1 is Write Disabled R2 is Read-Write
- C. R1 is Read-Write R2 is Read-Only
- D. R1 is Read-Only R2 is Read-Write

Correct Answer: A

QUESTION 14

Which SRDF operation results in a suspended link?

- A. Split
- B. Swap
- C. Failback
- D. Restore

Correct Answer: A

QUESTION 15

Which two SRDF operations will result in a suspended link?

- A. Split and Failover
- B. Restore and Split
- C. Failover and Swap
- D. Split and Failback

Correct Answer: A

QUESTION 16

A new customer has purchased a VMAX 10K array. During implementation they explain requirements for one application that requires a point-in-time copy of the primary volumes every six hours, and retention for seven days. The change rate is expected to be low.

Which replication solution should be recommended?

- A. TimeFinder VP Snap
- B. TimeFinder/Snap
- C. RecoverPoint CDP

D. TimeFinder/Clone

Correct Answer: A

QUESTION 17

A new customer has purchased a VMAX 40K array. During implementation they explain requirements for one application that requires a point-in-time copy of the primary volumes every 2 hours, and retention for three days. The change rate is expected to be low.

Which replication solution should be recommended?

- A. TimeFinder/Snap
- B. TimeFinder/Clone
- C. TimeFinder/VP Snaps
- D. TimeFinder/Mirror

Correct Answer: A

QUESTION 18

When using TimeFinder/Clone, when does the target device become read/write available to the target host?

- A. After Activation
- B. During the Create Session process
- C. After a full background copy completes
- D. Before Activation

Correct Answer: A

QUESTION 19

Which point-in-time protection mechanism is used by TimeFinder/VP Snap?

- A. Copy on Access
- B. Full Background Copy
- C. Pre-copy Option
- D. Copy on First Write

Correct Answer: A

QUESTION 20

In a VMAX 20K extended drive loop configuration also known as capacity configurations, what is the maximum number of engines you can install?

- A. 4
- B. 2
- C. 6
- D. 8

Correct Answer: A

QUESTION 21

You're a sales representative and trying to position VMAX for a customer environment.

The customer requirements are:

- Maximum Performance
- Large Scale Consolidation
- Supports IBM System z & i
- Up to 3,200 disks

Which family of VMAX would support these requirements?

- A. VMAX 40K
- B. VMAX 10K (959)
- C. VMAX 20K
- D. VMAX 10K (987)

Correct Answer: A

QUESTION 22

You are installing a VMAX 10K with dispersed System Bay.

Which length cables are required to provide back-to-back separation?

- A. 10M
- B. 25M
- C. 20M
- D. 3.6M

Correct Answer: A

QUESTION 23

You are installing a VMAX 40K with dispersed System Bay.

Which length cables are required to provide back-to-back separation?

- A. 25M
- B. 10M
- C. 3.6M
- D. 20M

Correct Answer: A

QUESTION 24

What is the maximum number of High Density Storage bays that can be configured in a VMAX 40k?

- A. 8
- B. 10
- C. 6
- D. 4

Correct Answer: A

QUESTION 25

What is the power level required for VMAX 20K High Density Storage Bay?

- A. 4.9 kVA
- B. 2.5 kVA
- C. 5.3 kVA
- D. 3.5 kVA

Correct Answer: A

QUESTION 26

What is the power level required for VMAX 20K Standard Storage Bay?

- A. 5.3 kVA
- B. 2.5 kVA

- C. 4.9 kVA
- D. 3.5 kVA

Correct Answer: A

QUESTION 27

You are installing a VMAX 40K with dispersed daisy chain Storage Bays. What is the maximum distance of separation?

- A. 3.6M
- B. 25M
- C. 10M
- D. 6.5M

Correct Answer: A

QUESTION 28

What is the maximum distance for System Bay Dispersion in a VMAX 40K configuration?

- A. 82.0 feet/25m
- B. 32.8 feet/10m
- C. 16.4 feet/5m
- D. 49.2 feet/15m

Correct Answer: A

QUESTION 29

How many cables are there to the Virtual Matrix from each Director in a VMAX 40K?

- A. 4
- B. 2
- C. 8
- D. 6

Correct Answer: A

QUESTION 30

In a Symmetrix VMAX 40K, which engine is connected to the upper half of Direct Connect Storage bay 1D?

- A. 8
- B. 7
- C. 1
- D. 2

Correct Answer: A

QUESTION 31

A CE is currently installing a VMAX 40K. Where should the light panel cables of the System Bay be connected?

- A. Engine 4
- B. 1st AC slot
- C. Engine 5
- D. 2nd AC slot

Correct Answer: A

QUESTION 32

How does the Service Processor communicate with all 8 engines in a VMAX 20K?

- A. Ethernet cables are directly connected to Management Modules in engine 8 and engine 1, which are daisy chained to the other six engines.
- B. Ethernet cables are directly connected to Management Modules in engine 4 and engine 5, which are daisy chained to the other six engines.
- C. Ethernet cables are directly connected to each Management Module in each engine.
- D. Ethernet cables are directly connected to the Management Modules in engine 4 which is daisy chained to the other seven engines.

Correct Answer: A

QUESTION 33

What is the maximum number of Storage Bays that can be attached to a Symmetrix VMAX 10K (987)?

- A. 2
- B. 1
- C. 3
- D. 4

Correct Answer: A

QUESTION 34

What is the maximum number of Storage Bays that can be attached to a Symmetrix VMAX 10K (959)?

- A. 3
- B. 1
- C. 2
- D. 4

Correct Answer: A

QUESTION 35

Which two System Bays use the same component layout when fully populated?

- A. VMAX 10K 3 and 4
- B. VMAX 10K 1 and 2
- C. VMAX 10K 1 and 4
- D. VMAX 10K 2 and 4

Correct Answer: A

QUESTION 36

How many Management Modules are installed in a 6 bay VMAX 10K (987)?

- A. 8
- B. 12
- C. 6
- D. 4

Correct Answer: A

QUESTION 37

What is the maximum DAE count for Engine 1 of a VMAX 10K (987) dense configuration?

- A. 12

- B. 16
- C. 18
- D. 10

Correct Answer: A

QUESTION 38

When upgrading an existing I/O module to a DARE I/O module, what impact will it have on the VMAX 40K system?

- A. No impact
- B. Complete data loss
- C. Degraded performance
- D. Failover during upgrade

Correct Answer: B

QUESTION 39

Which action needs to be taken if the Backend Cabling Verification fails after a Data Center relocation?

- A. Contact PSE Lab for assistance.
- B. Relocate the cables shown as faulted.
- C. Replace the cables shown as faulted.
- D. Power down and re-start the Backend Cabling Verification script.

Correct Answer: A

QUESTION 40

While running the Backend Cabling Verification script, the LEDs do not match the SymmWin graphic. It halts with a message that there is a cabling error and advises moving cables. Which service engagement would require PSE intervention prior to moving the cables?

- A. Data center move
- B. Installation
- C. DAE addition
- D. Storage bay addition

Correct Answer: A

QUESTION 41

What is one of the activities of the VMAX Management Module?

- A. Monitors the SPS unit
- B. Call home Management
- C. Failover Management
- D. Fault Report Management

Correct Answer: A

QUESTION 42

Which component is used to connect the Service Processor to the Engines?

- A. Management Module
- B. System Interface Board
- C. USB Port
- D. Messaging Interface Board Enclosure

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