

000-114 IBM certifications III

IBM Storage Implementation Entry/Mid Range DS Series

Practice Exam: 000-114 Exams

Exam Number/Code: 000-114

Exam Name: Storage Implementation Entry/Mid Range DS Series

Questions and Answers: 130 Q&As

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1. When examining a profile you see the following:

Drive at Enclosure 5, Slot 8 [mirrored pair with drive at enclosure 5, slot 9]

Drive at Enclosure 5, Slot 9 [mirrored pair with drive at enclosure 5, slot 8]

How should this be configured for enclosure loss protection?

A. Drive at Enclosure 5, Slot 9 [mirrored pair with drive at enclosure 5, slot 9]

B. Drive at Enclosure 3, Slot 1 [mirrored pair with drive at enclosure 5, slot 9]

Drive at Enclosure 5, Slot 9 [mirrored pair with drive at enclosure 3, slot 1]

C. Drive at Enclosure 5, Slot 7 [mirrored pair with drive at enclosure 5, slot 9]

Drive at Enclosure 5, Slot 9 [mirrored pair with drive at enclosure 5, slot 7]

D. Drive at Enclosure 5, Slot 9 [mirrored pair with drive at enclosure 15, slot 18]

Drive at Enclosure 15, Slot 18 [mirrored pair with drive at enclosure 5, slot 9]

Answer: B

2. How would you cable 2 EXP5000 to a DS5300 on one drive channel? Cable from each controller to the _____.

A. 1A port of the first ESM and then cable from 1B port to the 1A port of the second ESM

B. 1B port of the first ESM and then cable from 1A port to the 1B port of the second ESM

C. 2A port of the first ESM and then cable from 2B port to the 2A port of the second ESM

D. 2B port of the first ESM and then cable from 2A port to the 2B port of the second ESM

Answer: B

3. What is a possible outcome when Media Scan detects an unrecovered media error on controller code revision 6.60.xx?

A. Unrecovered media errors are not fixable. A critical event will be logged in the Major Event Log (MEL) and subsequent manual intervention will be required.

B. If the RAID type is 0, then the data from the mirrored drive will be used to restore the data.

C. A counter is kept of the number of unrecovered media errors and when a user defined threshold is met, an audible alarm will sound and the LED on the suspect drive will turn amber.

D. If redundancy exists, the data will be reconstructed, written to disk, and verified.

Answer: D

4. What is a suggested purpose of the Storage Manager command line interface (SMcli)?

A. to change parameters on multiple storage subsystems

B. to save the subsystem configuration

C. to script repeatable operations on a storage subsystem

D. All of the above

Answer: D

5. A new LUN has been created and mapped to a Windows host, but on the host system the LUN does not appear. Which

action should be taken to see the LUN from the host?

A. run SMDevices

B. run hot_add

C. run SMRepassist

D. run SMScanLUNs

Answer: D

6. A customer observes higher response times for running transactions, they see spikes in disk activity. What should be checked first?

- A. Backend channel for failed SFPs
- B. Cache flush control settings
- C. ReadLinkStatus diagnostics
- D. Error log for a failed drive in that array

Answer: B

7. A customer has a DS4800 with five EXP810. They plan to upgrade to a DS5300, the maximum power consumption will be ____.

- A. equal
- B. lower
- C. higher
- D. no difference

Answer: C

8. What is the minimum number of disks needed for RAID 6 on a DS4000 or DS5000 system?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

9. A customer who has been using Metro Mirror with an Enhanced Remote Mirroring (ERM) configuration to mirror the company inventory database from headquarters to a data warehouse at a remote site has asked for some assistance. Due to bandwidth concerns they need to change the mirroring mode to Global Mirroring. What must be done to help the customer make the change?

- A. Advise the customer to purchase two new licenses.
- B. Break and re-establish the mirror relationship.
- C. Backup the inventory data to tape.
- D. Make the mode change in Storage Manager.

Answer: D

10. If a customer wants to increase the capacity of a logical drive to 700 GB without adding drives to the array, what must be available on the storage subsystem?

- A. Sufficient, unconfigured capacity in the array.
- B. Sufficient free capacity in the array.
- C. Sufficient unconfigured capacity in the subsystem.
- D. Sufficient free capacity in the subsystem.

Answer: B

11. The automatic discovery function of Storage Manager 10.10 allows the discovery of any DS3000, DS4000 and DS5000 connected in the customer environment:

- A. If the DS3000/DS4000/DS5000 are in the IP subnet
- B. If they have the latest firmware release installed
- C. If they can be discovered on other IP subnets
- D. The DS4000 and DS5000 can only be automatically discovered

Answer: A

12. How often will a Windows operating system without multi-pathing software detect a target LUN?

- A. once per controller
- B. once per bus
- C. once per path
- D. once per port

Answer: C

13. A customer is using FlashCopy to backup a 350GB logical drive. During the backup process, the data will change by 68%. What should the minimum repository logical drive size be?

- A. 70GB
- B. 220GB
- C. 245GB
- D. 350GB

Answer: C

14. What is the correct command syntax to connect the Command Line Interface (CLI) to the storage subsystem?

- A. smcli -n
- B. smcli -h
- C. smcli -L
- D. smcli -e

Answer: A

15. You see an amber light flashing on an EXP810 ESM. Where should you start to find information on how to handle the flashing amber light?

- A. Recovery Guru
- B. Major Event Log (MEL)
- C. Storage Manager online help
- D. Read Link Status counters related to the specific ESM

Answer: A

16. What is the minimum firmware level required for an upgrade to firmware 7.10.xx?

- A. 6.12.xx.xx
- B. 6.16.xx.xx
- C. 6.23.xx.xx
- D. 6.60.xx.xx

Answer: B

17. On a DS5000 there are several LUNs hosting small-block, write intensive databases. What is the smallest cache block-size that can be configured?

- A. 1K
- B. 2K
- C. 4K
- D. 8K

Answer: C

18. Even though some host operating systems may impose limitations, how many LUNs can be mapped to a host or host group using the storage manager?

- A. 32
- B. 128
- C. 256
- D. 512

Answer: C

19. A customer asks you for a reference(s) to help him when troubleshooting problems with the company DS4800.

Which official publication has walkthroughs for common fixes on the DS4800?

- A. Installation, User, and Maintenance Guide
- B. Techline / Partner Line
- C. DS4000 Problem Determination Guide
- D. A, B, and C

Answer: D

20. What are features and benefits of RSM?

- a. Built in firewall
- b. Runs on Linux and Windows servers
- c. Collect support data
- d. Allow remote maintenance
- e. Can support up to 50 DS5000/DS4000/DS3000 storage servers
- f. Minimum annual fee

- A. a, b and e
- B. a, e and f
- C. b, c and f
- D. a, d and e

Answer: D

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