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# **Q&A**

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**Exam** : **E20-012**

**Title** : Information Availability  
Design and Management  
Exam

**Version** : Demo

1. A company has a shared prestaged infrastructure at an alternate site. This enables the company to rebuild systems and applications in the event of a disaster. What is the term for this alternate site strategy?

- A. Automated failover site
- B. Cold site
- C. Hot site
- D. Warm site

**Answer: C**

2. A company has developed a Disaster Recovery plan that includes:

- A. Computer Equipment List
- B. List of phone numbers of key people in company
- C. Failover procedure for synchronous replication

Which additional item should be included in the Disaster Recovery plan?

- A. Business Impact Analysis report
- B. Disaster recovery test results from the last three tests
- C. Fault Tree Analysis report
- D. Location of the recovery facility

**Answer: D**

3. An operator needs to insert a tape in a physical library. Where is the tape placed?

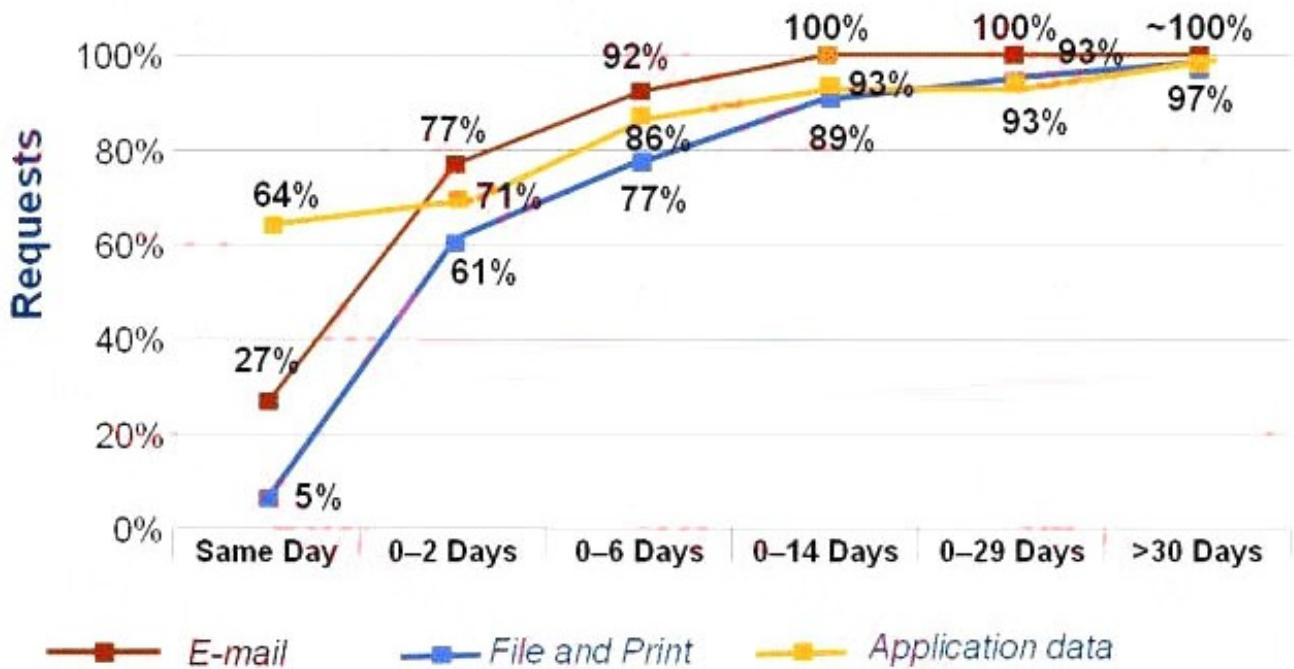
- A. Element port
- B. Mail slot
- C. Pass-through port
- D. Tape drive

**Answer: B**

4. Click the Exhibit button.

You are designing a new backup and recovery solution and have specified that a disk-aware backup-to-disk solution will be used as the primary destination for backups. Once backups reach a specific retention period on disk, they will be moved to tape.

What should the retention period be to satisfy 90% of the application data restore requests from disk?



- A.7 days
- B.14 days
- C.30 days
- D.45 days

**Answer: B**

5. What is a benefit of having associations between production volumes and multiple PITs within an array?

- A.All PITs can be used in a consistency group for a single BC activity`
- B.Production data striped across multiple target PITs
- C.Reduced RTO with differential restore
- D.Reduced transaction acknowledgment latency due to multipathing for PIT targets

**Answer: C**

6. A company is planning to deploy array-based synchronous remote replication over 200 MB/s Fibre Channel links. The workload profile of the application to be replicated is as follows:

4000 IO/s

Read/Write Ratio 60:40

Write block size 8 KB

Distance between sites = 50 km

How much bandwidth does this solution require?

- A.10 MB/s
- B.13 MB/s

C.20 MB/s

D.35 MB/sb

**Answer: B**

7. During normal operations in three-site triangle remote replication, what is the mode of replication between the synchronous and asynchronous targets?

A.Differential asynchronous

B.Full volume, asynchronous

C.Full volume, synchronous

D.No data movement

**Answer: D**

8. A database is using ten 4 GB devices. Continuous Data Protection (CDP) is to be deployed to provide recovery to any point in time within a 36-hour window. The estimated rate of change of data is 20% per 12 hours.

Assuming a 25% overhead due to CDP, what would be the minimum recommended size of the CDP Journal?

A.8 GB

B.24 GB

C.30 GB

D.50 GBb

**Answer: C**

9. In which strategic tier of the Framework for Information Availability can Backup and Replication Integrity be found?

A.Automate

B.Create Copies

C.Distribute

D.Store

**Answer: B**

10. Click the Exhibit button.

System Components	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Component 1	24hrs	3pm-5pm	7am-Noon	24hrs	3pm-9pm	1am - 4am	24hrs
Component 2	7am-9am	24hrs	24hrs	24hrs	3pm -9pm	1am - 4am	24hrs
Component 3	24hrs	24hrs	7am-Noon	24hrs	24hrs	1am - 4am	9am-2pm

**Key**

Failure/Outage

Scheduled Maintenance

A company has a system with three critical components. Each component must be functioning for the system to be operational. SLAs have been established between the business and IT that define normal hours of operations for this service as 8 A.M. through 8 P.M., Monday through Friday.

From the data provided, what is the overall availability of this system?

- A.72%
- B.75%
- C.80%
- D.88%

ocation of the recovery facility

**Answer: C**

11. Click the Exhibit button.

System Components	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Component 1	24hrs	3pm-5pm	7am-Noon	24hrs	3pm-9pm	1am - 4am	24hrs
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**Key**

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Scheduled Maintenance

A company has a system with three critical components. Each component must be functioning for the system to be operational. SLAs have been established between the business and IT that define normal hours of operations for this service as 8 A.M. - 8 P.M., Monday through Friday.

What is the availability of Component 1?

- A.73%

B.78%

C.81%

D.87%b

**Answer: C**

12. In which strategic tier of the Framework for Information Availability can Multi-Site Integrity be found?

A.Automate

B.Create Copies

C.Distribute

D.Store

**Answer: C**

13. Which metric is a basic measurement of reliability?

A.CoRe measure

B.Cornbach's alpha

C.MTBF

D.MTTR

**Answer: C**

14. In order to determine the value of the utilized data, a customer classified the files used by frequency of access. Which term is used to describe this level of data classification?

A.Class

B.Perspective

C.Rule

D.Scheme

**Answer: B**

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### Key

Failure/Outage

Scheduled Maintenance

A company has a system with three critical components. Each component must be functioning for the

system to be operational. What is the MTBF for Component 1?

- A.13 hours
- B.20 hours
- C.30 hours
- D.56 hoursb

**Answer: D**

16. Click the Exhibit button.

System Components	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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**Key**

Failure/Outage

Scheduled Maintenance

A company has a system with three critical components. Each component must be functioning for the system to be operational. What is the MTBF for Component 2?

- A.8 hours
- B.30 hours
- C.84 hours
- D.92 hoursb

**Answer: C**

17. Which element of a Time-State model represents an IT service failure?

- A.Engineering time
- B.Scheduled downtime
- C.Standby time
- D.Unscheduled downtime

**Answer: D**

18. One component of an IT service has stopped performing a required function. How can this incident be described?

- A.Failure
- B.Interrupt
- C.Repair

D.Restart

**Answer: A**

19. Click the Exhibit button.

CI	OLTP Service	File share	E-mail	Backup/archive
Servers/NAS devices	A	X	B	X
FC Switches	A	X	X	X
Storage arrays	B	X	B	X

X: CI Failure causes outage

A: CI has an immediate backup ("hot-start")

B: CI has an intermediate backup ("warm-start")

The table represents a CFIA analysis done for a company. Several Requests for Change (RFC) have been raised to enhance the reliability and robustness of the infrastructure. Which RFCs should be considered as a priority for implementation?

- A.Cluster software for an e-mail server
- B.Consolidation of file share and OLTP storage
- C.Implement a switch architecture with no SPOF
- D.Optimize the backup environment by segregating the archives

**Answer: C**

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FC Switches	A	X	X	X
Storage arrays	B	X	B	X

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B.Consolidation of file share and OLTP storage

C.Implement a switch architecture with no SPOF

D.Optimize the backup environment by segregating the archives

**Answer: C**