Dell Information Storage and Management Foundations 2023

1. Which data protection solution provides the ability to select a backup technology based on demand?

A. Agent-Based backup

B. Cloud-Based backup

C. File-Based backup

D. Image-Based backup

Answer(s): D

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2. What is the key advantage of RAID 6 compared to RAID 5?

A. Higher usable storage capacity

B. Fewer disk drives

C. Higher resiliency

D. Lower write penalty

Answer(s): C

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3. The Ethernet switch has eight ports and all ports must be operational for 24 hours, from Monday through Friday. However, a failure of Port 4 occurs as follows:
Monday = 8 PM to 11 PM -
Wednesday = 7 PM to 10 PM -
Thursday = 6 AM to 12 PM -
What is the MTTR of Port 4?

A. 28 hours

B. 2 hours

C. 38 hours

D. 4 hours

Answer(s): D

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4. DRAG DROP (Drag and Drop is not supported)
Match each OSD features with its description.

Answer area

OSD Features

| Flexible data access method | Metadata driven policy |

| Data protection | Global namespace |

Decription

Drives data placement and protecti service requirements

Abstracts storage from the applicat common view independent of locat

Supports REST/SOAP APIs and the CIFS and NFS, for file services

Global distribution of objects using erasure coding

A. See Explanation section for answer.

Answer(s): A

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5. Which network file sharing protocol provides cloud-based file sharing through a REST API interface?

A. S3

B. HDFS

C. ZFS

D. FTP

Answer(s): A

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6. Which data deduplication method would a cloud service provider use when storing back up data at their location?

A. Source-based

B. Target-based

C. Application-based

D. Agent-based

Answer(s): A

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7. Which storage management function ensures that the services and service levels are delivered per SLAs?

A. Infrastructure discovery management

B. Portfolio management

C. Financial management

D. Operation management

Answer(s): D

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8. What is the functionality of the application server in a Mobile Device Management?

A. Perform administration and management of all unmanaged devices

B. Authenticate the device that requests access

C. Perform administration and management of all managed devices

D. Authorize devices directed to the server

Answer(s): B

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9. Which file system provides a streaming interface using the MapReduce framework?

A. CIFS

B. HDFS

C. NFS

D. NTFS

Answer(s): B

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10. Which interface does an SCM device use to connect to intelligent storage system controllers?

A. NVMe

B. SATA

C. SAS

D. FC

Answer(s): C

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11. What kind of ML explicitly requires splitting the data into training and testing datasets before running an algorithm against that data?

A. Deep Learning

B. Unsupervised Learning

C. Reinforcement Learning

D. Supervised Learning

Answer(s): D

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12. An organization is interested in a cloud service that provides middleware, development tools, and database management systems for application development and deployment.
Which cloud service model meets these requirements?

A. Software as a Service

B. Infrastructure as a Service

C. Platform as a Service

D. Application as a Service

Answer(s): C

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13. Which standard provides FCoE with a lossless Ethernet network?

A. SCSI Remote Direct Memory Access

B. Data Center Bridging

C. Data Center Bridging Exchange Protocol

D. InfiniBand

Answer(s): B

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14. Which layer of the OSI reference model provides logical end-to-end connections, sequencing, and integrity?

A. Transport

B. Presentation

C. Session

D. Data Link

Answer(s): A

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15. In a NAS environment, which file system enables file sharing with Windows clients and uses the TCP/IP protocol?

A. New Technology File System (NTFS)

B. Hadoop Distributed File System (HDFS)

C. Common Internet File System (CIFS)

D. Network File System (NFS)

Answer(s): C

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16. An organization wants to replicate data over a public network to a cloud.
Which security control mechanism helps to secure the data during replication?

A. LUN masking

B. Data shredding

C. Data compression

D. Encryption

Answer(s): D

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17. What type of technology is used in SSD devices to provide non-volatile data storage?

A. Static RAM

B. Dynamic RAM memory

C. Flash memory

D. Programmable read-only memory

Answer(s): C

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18. Which layer of the OSI reference model is responsible for logical addressing and routing?

A. Data Link

B. Session

C. Network

D. Transport

Answer(s): C

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19. Which block storage volume allocates all of the physical storage specified at the time it is created?

A. Thick provisioned LUN

B. Thin provisioned LUN

C. Thin provisioned RAID

D. Thick provisioned RAID

Answer(s): A

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20. What is a benefit of migrating to a modern data center?

A. Reduce public cloud application development complexity

B. Reduce management complexity by deploying only unified and converged IT resources

C. Reduce the cost of managing data center components by using a self-service catalog

D. Reduce administration complexity and application downtime to consistently meet SLAs

Answer(s): B