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H31-523

HCIE-Cloud DataCenter Operations (Written)

Version 1.0

Exam B

QUESTION 1
Large-scale cloud data centers use regions, AZs, and DCs to organize resources and ensure security management.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Each step in the automatic deployment process is automated, which can bring significant benefits including efficiency. What are they key elements?

A. Software development automation
B. Script-based deployment
C. Common deployment scripts
D. Version control

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
It Q&M management refers to the comprehensive management of IT software and hardware operating environments (such as software environment and network environment), IT service systems, and IT Q&M personnel by using related methods, methods, technologies, systems, processes, and documents, in IT O&M, which of the following events needs to be handled immediately?

A. Prompt event
B. Debugs events
C. Incident event
D. Early warning Event

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4 The service design describes how to develop a blueprint for service architecture, processes, policies, and documents. Which of the following does not belong to the capacity management defined by the ITIL service design?

A. Component Capacity Management
B. Business capacity management
C. Cabinet space management
D. Service capacity management

Correct Answer: C
Section: (none)
Explanation
Explanation/Reference:

QUESTION 5
Provides distributed monitoring solutions, including monitoring events and monitoring performance. The former is used to detect the causes of abnormal IIS running, and the latter is used to establish the user system performance benchmark. Which of the following software is used to monitor the system?

A. Zabbix
B. Python
C. Cobbler
D. SaltStack

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
ITIL best practices refer to the advanced ITSM methodology to understand enterprise requirements and implement sustainable management during IT service management. Which of the following is the IT service operation process in the ITIL best practice system?

A. Event management, incident management, problem management, request fulfillment, and access management
B. Incident management, problem management, service desk, request fulfillment, and event management
C. Incident management, service desk, request fulfillment, access management, and event managementD. Event management, incident management, change management, and access management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.cherwell.com/library/essential-guides/essential-guide-to-itil-framework-and-processes/#itilserviceoperation

QUESTION 7
The private cloud is constructed independently for an enterprise and provides the most effective control over data, security, and service quality. Private clouds can be built by enterprise IT departments or cloud platform service providers. An enterprise can deploy its own network or application services on the cloud platform.
Private clouds can be deployed in enterprise data centers or in equipment rooms of cloud platform service providers.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
Nova is a virtual server deployment and service computing module developed by NASA. Which of the following statements about common terms in components is incorrect?

A. Flavor refers to the configuration template created for the VM instance
B. Security group rules are used to define remote access permissions for users
C. keypair refers to the key pair used when a user remotely connects to an instance through SSHD. A security group is a group that assigns instances to start and stop operations

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Which of the following statements are CORRECT about the host that provides external block storage for Cinder?

A. Cinder-API provides an interface for processing block storage access requests
B. The Cinder-Volume service is responsible for dealing with storage servers, such as Swift and Ceph, to create and delete volumesC. The Cinder-Scheduler assigns tasks to servers that provide block storage
D. Cinder modules work in message queue mode

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://books.google.com.pk/books?id=ISfYBgAAQBAJ&pg=PA7&lpg=PA7&dq=Cinder-API+provides+an+interface+for+processing+block+storage+access
+requests&source=bl&ots=00_fQtdxkr&sig=ACfU3U3QhLOUmL8lJap5FOAqQr71SSMeSw&hl=en&sa=X&ved=2ahUKEwim96qy0N7gAhUFr6QKHXD9BjIQ6AEwA3oECAUQAQ#v=onepage&q=Cinder-API%20provides%20an%20interface%
20for%20processing%20block%20storage%20access%20requests&f=false

QUESTION 10 Which of the following is the common data access level in a
cloud data center?

A. Heterogeneity (NFS level)
B. Block level (Block level)
C. General level (UFS level)
D. File-level (File level)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11 In distributed storage, when a file is stored, the file is divided into different RAID backup modes. The split files are stored on different servers to ensure that one server is faulty, services are not interrupted due to
file or data loss.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12 Which of the following storage device are
used to store data?

A. Tape
B. Hard disk
C. CD-ROM
D. Floppy disk
Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
A connection mode between the DAS and the server. The storage device is directly connected to the server through cables (such as optical fibers). Which of the following statements are correct?

A. The system needs to be powered off when the core components of the DAS are maintained
B. When multiple hosts are connected to the DAS, services of different service levels can be provided
C. The number of ports that can be connected to the host is limited
D. The DAS with insufficient storage space can share the remaining space of the DAS with excessive storage resources

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14 Which of the following does not affect the creation of cloud hosts in the Cloud Management
Platform (CMP)?

A. Regional information
B. Alarm Rule Configuration
C. Network partition
D. Availability zone information

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
For the Cloud Management Platform (CMP), common users can apply for cloud services in one-click mode through the service store, or apply for cloud services in seven steps.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
Huawei HiCloud platform is designed based on the mainstream microservice architecture in the industry and supports fast iteration and elastic scaling.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation
Explanation/Reference:

QUESTION 17 By default, Huawei HiCloud provides four rules: Common user, tenant administrator, O&M administrator, and system administrator.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18 Huawei HiCloud can manage only Huawei FusionSphere virtualization resource pools.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Which of the following operations can be performed by common users on the Cloud Management Platform (CMP) through computing resource management?

A. Restart
B. Transferring a Tenant
C. Shutdown
D. Apply for extension

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20 The VPC subnet segment in the Huawei FusionCloud solution can be modified after being created.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1100043116/1b317d3b/managing-subnets

QUESTION 21
If Huawei FusionCloud does not have special requirements, which node is recommended to be deployed on DHCP Agent?

A. Routing node

B. Compute node
C. OpenStack control node
D. Network node

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1000075431?section=j008

QUESTION 22 Which of the following statements about Huawei FusionCloud 6.x
solution is incorrect?

A. OpenStack in Region TypeII can contain multiple AZs. It could contain Multiple AZs with KVM and VRM. However, it only support one BMS AZ.
B. Single-OpenStack architecture under Region TypeII.
C. OpenStack control nodes under Region TypeII can be deployed on VMs.
D. Each AZ in the Region TypeII can have only one virtualization type.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23 In the Huawei FusionCloud solution, which of the following is recommended for security rule
protection in regions?

A. No detailed protection for IP addresses and ports is provided for mutual access between management areas in a region
B. The Internet access management zone provides detailed protection for IP+ ports and is configured on the border wall
C. The tenant zone accesses IP+ porta in the management zone through service ports and is configured on the border wallD. The region internal management zone only performs high-risk port protection based on network segments

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24 In the Huawei FusionCloud solution, what are the relationships between the CCS and
peripheral services?

A. The CCS provides the computing capability service
B. The DNS maps the CCS domain name to the CCS floating IP address
C. ELK Collect CCS Logs
D. EVS queries the volume type label in a specified AZ

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
QUESTION 25 Which of the following services are supported by Huawei
FusionCloud 6.X?

A. BMS
B. NVE

C. ECS
D. VPC

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
In the server migration scenario, the ERP application system on a UNIX server is migrated to another UNIX server without recompilation or development. The hardware platform of the target server can be different from that of the source server.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27 During the migration evaluation of carries data centers, a large number of application technologies may exist on the live network. Therefore, it is difficult to manually collect and analyze data.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
In a data center migration scenario, which of the following is not an advantage of Huawei LUN copy technology?

A. Data migration is completed by Huawei storage systems and does not require server computing resources
B. Simple operation and unified solution C. Online service migration
D. The LUN copy migration solution supports data migration between most Huawei storage device and is highly compatible

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
The SmartVirtualization feature, such as heterogeneous virtualization software, uses different compatibility policies for storage devices of different vendors to identify and handle compatibility issue between heterogeneous devices in a timely manner. Which of the following is an incorrect application scenario?

A. Heterogeneous DR
B. Service data migration between storage systems
C. Ensure the performance of key services
D. Centralized storage resource management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1000077846?section=j004

QUESTION 30
Which of the following is applicable to file-level migration in cloud-data center migration scenarios?

A. The planned disk space of the destination VM is expanded or reduced compared with that of the source VM
B. Hosts containing a large number of small files
C. Ensure that the partition is consistent with that on the source end
D. Host with high disk usage

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: http://support.huawei.com/enterprise/NewsReadAction.action?newType=05&contentId=NEWS1000005346

QUESTION 31
Which of the following statement about SmartVirtualization heterogeneous software is used to identify and handle compatibility issues between heterogeneous storage devices in a timely manner?

A. The physical space required by the eDevLUN data volume occupies the space of the local system
B. LUNs in the SmartVirtualization heterogeneous storage systems are mapped to the local system. Therefore, you can discover the LUNs in the local storage system. However, the data is not managed by the local storage system.
C. An eDevLUN data volume is a logical abstraction of external LUN data
D. In the SmartVirtualization, feature heterogeneous storage systems include only storage systems of other mainstream vendors.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32 Which of the following statements about the VM package OVF and
OVA is correct?

A. The OVA file can be abstracted as a file package composed of several different types of files
B. The two encapsulation formats are defined by DMTF (Distributed Management Task Force)
C. Only the OVF image package can be used in FusionCompute
D. The image package in OVF format must be decompressed first

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
QUESTION 33
In cloud data center migration scenarios, which of the following storage migration solutions requires Huawei storage licenses?

A. Migration of vMotion
B. LUN copy migration
C. Volume management migration
D. Rsync/robocopy migration

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
In the cloud data center migration scenario, the Oracle database layer migration solution can be classified into physical migration and logical migration on data block change modes.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
In the data cloud data center migration scenario, the LUN copy migration solution requires the license for value-added features of storage products to support SmartMigration.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
In cloud data center migration scenarios, database migration involves the database itself and does not involve service systems, networks, or storage devices.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
Which of the following statements about the logical structure of the Oracle database is correct?
A. Tablespace is a collection of multiple segments
B. An extent corresponds to a block
C. A segment is a collection of multiple extents
D. Block is the basic unit of I/O operations. The default value is 4 KB.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38 Which of the following statements about the Oracle tools RMAN used to back up, restore, and recover
database is correct?

A. Applies to the migration between different database platforms or versions
B. The shutdown window is small, and the downtime is related to the total data volume
C. Some data in the database can be migrated
D. Online physical backup without interrupting production system services

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39 Which of the following statements about the Oracle
database is incorrect?

A. The memory area and process that constitute an instance are responsible for managing database data and providing services for multiple users B.
An Oracle process is called an Oracle instance
C. Each running Oracle database is associated with an Oracle instance
D. The Oracle server is database management system that provides open, comprehensive, and integrated methods for information management

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
In the cloud data center migration scenario, which of the following statements about configuring eDevLUNs for heterogeneous virtualization is correct?

A. The read/write policy of eDevLUNs "write-back" applies to random access services, ensuring that data in the cache is cached as long as possible to improve the read hit ratio.
B. The default read/write policy of eDevLUNs is applicable to common services to balance the hit ratio and disk access performance.
C. The read/write policy "Pairing" of eDevLUNs applies to sequential access services to release cache resources for other services as soon as possible.
D. When the eDevLUN reads data, it reads the data to be read from the hard disk in advance based on the specified policy.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
In the service migration scenario, which of the following statements about the service switchover procedure is incorrect?

A. After the new server is enabled; you do not need to change the corresponding record on the DNS server
B. For all service systems that connect to the source server, set the connection change to the destination server
C. After the migration, check the system CPU, memory, and network performance and service access
D. Stop the source server, synchronize data again (prevent new data generated during the migration), and enable the destination server

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42 In the cloud data center migration scenario, which of the following computer types are supported by the Rainbow online migration tool?

A. KVM VM
B. Vmware Esx VM
C. Hyper-V VM
D. Physical machine

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43 In the cloud data center migration scenario, which of the following statements about P2P migration are correct?

A. Use a third-party system migration tool to transfer the system and data online to the target host where the OS is not installed
B. No manual intervention is required during the migration. The tool automatically replicates changed data in real time.
C. After all data is transferred; you only need to switch the data.
D. After the transmission is complete, the source system is closed and reserved.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44 In cloud data center migration scenarios, which of the following are important meanings of application association analysis?

A. Reduce the impact of migration on existing services
B. Balance the migration benefits and risks
C. Quick rollback can be performed if the migration fails
D. Reduce migration implementation complexity and migration risks

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
QUESTION 45
Which of the following are physical migration solutions in the Oracle database migration solution?

A. Data pump
B. TTS transmission tablespace
C. RMAN backup and restoration
D. Cold backup and restoration

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46 Data backup can be used to prevent logical errors such as misoperations and viruses. Data backup ensures that the system can be restored to a correct logical version.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47 After the recovery policy of Huawei DR software BCManager-eReplication is deployed, you must perform the test until the test is passed. In this case, failover or planned migration can be implemented.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
To prevent data loss caused by misoperations, system faults, or other man-made factors, data of the entire system or a part of critical data is copied from a storage device of the primary computer system to another storage device by using a certain method, which of the following is not keypoint of a backup system?

A. RTO
B. HA
C. BW
D. RPO

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
The Simpanat provide backup, archiving, replication, resource management and distributed search modules. Which of the following statements is incorrect?

A. The distributed index technology improves the reliability and performance of the backup system
B. Data classification indexes are used to classify data files to improve data backup and archiving efficiency
C. Distributed index (also called 2-segment index) indicated that index information is managed by the management server (CommServe) and media server (MediaAgent).D. Level-1 indexes are managed and maintained by the media server

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
Which of the following statements about the open protocol of the NDMP for network backup is independent of the platform data storage?

A. The NAS device that supports the NDMP protocol can directly communicate with the backup server without installing the backup software client on the NAS device.

B. When the NDMP protocol is used, the backup software, NAS devices, backup media, and production servers must support the NDMP protocol.

C. During the backup, the NAS device transfers files and directories related to the backup media to the backup server. The backup server prepares indexes for maintenance.

D. Backup data can be read from NAS storage devices and backed up to backup media instead of production servers. This reduces the workload on production servers.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
In the data center storage and backup scenario, which of the following is the ALL-IN-ONE positioning of BCManager services of Huawei RD products?

A. Once-click test
B. Data consistency
C. Template-based policy configuration
D. Automatic application identification

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52 The two data centers use the remote replication technology and the synchronization period. Asynchronous remote replication is used for services with high continuity requirements and important data services.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
The SIMPNANA software suite of CommVault uses a relational database as the Index and adopts a two-level distributed architecture?

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
In the data center disaster recovery and backup solution, data backup is used to solve the availability problem.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55 In the data center active-active solution, the static priority mode or third-party arbitration mode can be used. However, if the arbitration fails, you need to manually switch to the static priority mode.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56 Which of the following statements about Oracle
backup is incorrect?

A. Physical backup is the most robust data protection mode
B. Logical backup can be used as a supplement to physical backup
C. Oracle backup can be classified into physical backup and logical backup
D. Physical backup is to use the export tool to export important data (such as user tables and functions) to a file. After the data is restored, use the tool to import the data to the database again

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference https://www.oracle.com/technetwork/database/features/availability/br-overview-097160.html

QUESTION 57 Which of the following components does not belong to the second-level data capture, conversion, and delivery of a large amount of data between heterogeneous IT infrastructures in the Oracle GoldenGate?

A. Mirroring module
B. Trace File module
C. Capture module
D. Delivery module

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58 Which of the following items need to be collected before Huawei active-active
solution is deployed?

A. Service system
B. Physical environment information
C. Network information
D. Data volume

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
In the storage disaster recovery and backup solution, the RPO of a storage product is 30 minutes and the RTO is 15 minutes. Which of the following statements are correct?

A. When the storage system is faulty, the time difference between the production site and the DR site may be 45 minutes.
B. The duration from the time when a fault occurs to the time when the service is suspended to the time when the service is recovered may be 45 minutes.
C. When the storage system is faulty, the time difference between the production site and the DR site may be 30 minutes.
D. The period from the time when a fault occurs to the time when the service is suspended to the time when the service is recovered may be 15 minutes.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60 Which of the following are the precautions for network O&M in the Simpana
backup solution?

A. Avoid hosts with the same name or IP address
B. Avoid multiple network adapter fault
C. Avoid port conflicts. By default, Simpana uses ports 8400 and 8402 at least
D. Avoid inconsistency between DNS/HOSTS files.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference: