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Exam : **70-450**

Title : PRO:MS SQL Serv 08,Design,Optimize, and Maintain DB Admin Solu

Version : Demo

1.You are a professional level SQL Server 2008 Database Administrator.
A database is included by the instance, and a table named EmployeeData is contained by the database. There is a column named Profile in the EmployeeData table. Microsoft Office Word 2003 documents are stored in the column.
The space utilized by the Profile column should be cut to the least. In addition, a reasonable performance should be maintained to retrieve the content of the column.
Which action will you perform?
A. ROW compression should be utilized for the EmployeeData table.
B. The Profile column should be stored by utilizing filestream storage, and the NTFS file system compression should be utilized.
C. PAGE LEVEL compression should be utilized for the EmployeeData table.
D. The Profile column should be implemented as a CLR user-defined type.
Answer: B

2.You are a professional level SQL Server 2008 Database Administrator.
It is reported by the customers that the server performance degraded due to a newly implemented process. Dynamic Management Views is utilized to confirm that no long running queries exist.
The operating system performance data should be correlated with the actual query execution trace, and the least administrative effort should be utilized.
Which action will you perform to finish the task.?
A. To finish the task, Data Collector should be utilized.
B. To finish the task, the SQLdiag.exe utility should be utilized.
C. To finish the task, SQL Server Profiler and the tracerpt.exe utility should be utilized.
D. To finish the task, SQL Server Profiler and System Monitor should be utilized.
Answer: D

3.You are a professional level SQL Server 2008 Database Administrator.
There is a database in the instance, and the day-to-day business of your company requires the database. When reports are executed, slow response time is experienced by Users.
A performance monitoring strategy will be implemented by you so as to have three aspects of data captured and stored:
- Blocking and deadlock information
- Executed Transact-SQL statements
- Query activity and Counters for disk, CPU,and memory.
You are required to utilize the least amount of administrative effort to implement the monitoring process.
Which action will you perform to finish the task?
A. To finish the task, the client-side profiler trace should be utilized.
B. To finish the task, the dynamic management views should be utilized.
C. To finish the task, the data collector should be utilized.
D. To finish the task, the System Monitor counter log trace should be utilized.
Answer: C

4.You are a professional level SQL Server 2008 Database Administrator.
The computer on which the instance run has the following three features:

64-GB RAM, four quad-core processors, and several independent physical raid volumes A transactional database will be implemented on the instance.
In addition, the database should have a high volume of INSERT, UPDATE, and DELETE activities, creation of new tables is contained by the activities. You need to maximize disk bandwidth and decrease the contention in the storage allocation structures so as to have the performance of the database optimized.
Which action will you perform to finish the task?
A. To finish the task, database and log files should be placed on the same volume.
B. To finish the task, the affinity mask option should be configured properly.
C. To finish the task, multiple data files should be create for the database.
D. To finish the task, the affinity I/O mask option should be configured properly.
Answer: C

5.You are a professional level SQL Server 2008 Database Administrator.
Log shipping should be implemented for several databases on three SQL Server instances. The logs are migrated to a fourth SQL Server instance. A manual failover will be implemented.
You need to ensure that the database applications utilize the secondary server after failover.
Since you are the technical support, you are required to confirm that the latest data should be available to users.
Which actions should you perform to achieve the goal? (Choose more than one)
A. To achieve the goal, you should utilize the WITH RECOVERY option on the last log to apply any unapplied transaction log backups in sequence to each secondary database.
B. To achieve the goal, you should redirect client computers to the secondary instance.
C. To achieve the goal, you should replicate all log shipping network shares to the secondary instance.
D. To achieve the goal, you should utilize the WITH NORECOVERY option to back up the tail of the transaction log of primary databases.
E. To achieve the goal, you should back up all databases on the secondary instance.
Answer: ABD

6.You are a professional level SQL Server 2008 Database Administrator.
After a regular test, you find that performance degradation is experienced by an instance for the three reasons:
Excessive CPU usage, Server processes paging and Deadlocks
A monitoring solution should be implemented to provide data, monitor and troubleshoot performance issues and detailed deadlock information should be contained in the provided data.
You should utilize the least amount of administrative effort to finish the task.
Which tool will you utilize to finish the task?
A. To finish the task, you should utilize Resource Governor.
B. To finish the task, you should utilize Database Engine Tuning Advisor.
C. To finish the task, you should utilize Extended Events.
D. To finish the task, you should utilize Performance Monitor (SYSMON).
Answer: C

7.You are a professional level SQL Server 2008 Database Administrator.

There are 30 branch offices in Double Security Insurance, and in the branch offices, customer data are stored in SQL Server 2008 databases. Customer data should be security compliant if it is stored through multiple database instances.
You intend to utilize the Policy-Based Management feature to design a strategy for custom policies. And the format of custom policies is XML format. The requirements listed below should be satisfied.
The company distributes custom policies to all instances. In addition, the company enforces the policies on all instances. A strategy should be thought out and the minimum amount of administrative effort should be utilized.
Which action should you perform to finish the task?
A. To finish the task, the Distributed File System Replication service should be utilized.
B. To finish the task, a configuration server should be utilized.
C. To finish the task, the policies should be distributed by utilizing Group Policy Objects.
D. To finish the task, the policies should be distributed by utilizing the Active Directory directory service.
Answer: B

8.You are a professional level SQL Server 2008 Database Administrator.
All data changes are implemented through stored procedures, and only the INSERT, UPDATE, or DELETE statements are utilized by the procedures. A backup strategy should be implemented.
The business requirements listed below should be satisfied:
- Point-in-time recovery for failure is supported by the backup strategy at any time of day.
- The least amount of disk space should be utilized by the transaction log.
Which action should you perform to finish the task?
A. To finish the task, hourly database snapshots should be utilized.
B. To finish the task, the full-recovery model along with transaction log backups should be utilized.
C. To finish the task, the full-recovery model along with differential backups should be utilized.
D. To finish the task, the simple-recovery model along with differential backups should be utilized.
Answer: B

9.You are a professional level SQL Server 2008 Database Administrator.
You are experienced in managing databases in an enterprise-level organization, optimizing and sustaining the database life cycle. In the company, your job is to implement solutions on security, troubleshooting, deployment and optimization. A SQL Server 2008 infrastructure is managed by you.
A database is utilized by the instance, and the database is utilized by a Web-based application. 15,000 transactions are processed by the application every minute. A column is contained by a table in the database, and the column is utilized only by the application. Sensitive data is stored in this column. The sensitive data should be stored with the highest security level. In addition, the least amount of memory space and processor time should be utilized.
From the following four encryption types, which one should you utilize?
A. Asymmetric key encryption should be utilized.
B. Certificate-based encryption should be utilized.
C. Symmetric key encryption should be utilized.
D. Transparent data encryption should be utilized.
Answer: C

10.You are a professional level SQL Server 2008 Database.
A new database application is hosted by the instance. The security requirements should be designed for the application. A unique login to the SQL Server 2008 server is assigned to each application user. Stored procedures are included by the application database to execute stored procedures in the MSDB database. SQLAgent jobs are scheduled by the stored procedures in the MSDB database.
Since you are the technical support, you are required to confirm that the stored procedures in the MSDB database should be executed by utilizing the security context of the application user.
Which action should you perform?
A. Each user should be added to the public role in the MSDB database.
B. Each user should be added to the db_dtsltduser database role in the MSDB database.
C. The MSDB database should be set to utilize the TRUSTWORTHY option, and then each user should be added to the MSDB database.
D. The new database should be set to utilize the TRUSTWORTHY option, and then each user should be added to the MSDB database.
Answer: D

11.You are a professional level SQL Server 2008 Database Administrator.
A maintenance strategy should be designed for a mission-critical database, and a large table named Orders is contained by the database. Index maintenance operations are contained in the design plan. When you design the strategy, the facts listed below should be taken into consideration.
- First, the users continuously access to the Orders table in the database.
- Secondly, a column of the xml data type is contained by Orders table.
- Thirdly, the new rows are regularly added to the Orders table.
- Fourthly, the average fragmentation for the clustered index of the Orders table is no more than 2 percent.
A strategy should be designed to have the performance of the queries on the table optimized.
Which action will you perform?
A. The clustered index of the Orders table should be dropped.
B. The clustered index of the Orders table offline should be rebuilt once a month.
C. The clustered index of the Orders table should be excluded from scheduled reorganizing or rebuilding operations.
D. The clustered index of the Orders table should be reorganized by reducing the fill factor.
Answer: C

12.You are a professional level SQL Server 2008 Database Administrator.
The security requirements should be designed for a new database application. A code segment is utilized by the application, and the code segment includes the following components:
A method that the registry is accessed on the SQL Server
A method that the file system is accessed on a network file server
A class definition that public static fields are utilized
SQL CLR integration is utilized by the code segment
The code segment is implemented as a single assembly.
Since you are the technical support, you are required to make sure that the application should be successfully deployed to the instance.
Which action will you perform?

A. The SAFE code access security should be utilized for the assembly.
B. All public static fields should be replaced with public fields.
C. All public static fields should be utilized with public static read-only fields. And then the assembly should be registered by utilizing the regasm.exe utility before deployment.
D. All public static fields should be replaced with public static read-only fields. And then the EXTERNAL_ACCESS code access security should be utilized for the assembly.
Answer: D

13.You are a professional level SQL Server 2008 Database Administrator.
The security requirements should be designed for a new database application, and the application will be deployed to the instance. A table is consisted by the new database, and the table is created by utilizing the following code segment:
TABLE EmpBonusPlan
Since you are the technical support, you should utilize the maximum secure method to protect the BonusPlan column from the access of unauthorized users.
Which action will you perform to finish the task?
A. To finish the task, Transparent data encryption should be utilized.
B. To finish the task, the NTFS file system security should be utilized and the access of the database files should be limited to the SQL Server 2008 Service account.
C. To finish the task, the Trustworthy option for the database should be utilized.
D. To finish the task, the Advanced Encryption Standard encryption should be utilized on all columns in the database.
Answer: B

14.You are a professional level SQL Server 2008 Database Administrator.
A database is included by an instance. And a large table named OrderDetails is included by the database. Only DML statements on the last three months data are executed by the application queries. Administrative audits are managed monthly on data which is longer than four months. The performance problems listed below are found by you in the database . The performance of the application queries against the OrderDetail table is poor. It takes a long time to perform the maintenance tasks against the database, index defragmentation is contained.
The performance problems should be solved with on impact on the server performance.
Which action will you perform?
A. A database snapshot should be created for the OrderDetails table every four months. And then, the queries should be changed to utilize the present snapshot.
B. An additional table named OrderDetailsHistory should be created for data older than four months. And then, the OrderDetails and OrderDetailsHistory tables should be partitioned in two parts by utilizing the OrderDate column. At last, a SQL Server Agent job that runs every month should be created and the ALTER TABLE...SWITCH Transact-SQL statement should be utilized to remove data that is longer than four months to the OrderDetailsHistory table.
C. An additional table named OrderDetailsHistory should be created for data longer than four months. And then, a SQL Server Agent job that runs the following Transact-SQL statement every month should be created. INSERT INTO OrderDetailsHistory SELECT * FROM OrderDetailsWHERE DATEDIFF(m, OrderDate,GETDATE())>4

D. An additional table named OrderDetailsHistory should be created for data older than four months. And then, the following Transact-SQL statement should be utilized. CREATE TRIGGER trgMoveDataON OrderDetailsAFTER INSERT ASINSERT INTO OrderDetailsHistory SELECT * FROM OrderDetailsWHERE DATEDIFF(m,OrderDate,GETDATE())>4
Answer: B

15.You are a professional level SQL Server 2008 Database Administrator.
A mission-critical database is shared by the five sites. According to the business requirements, the users at each site should be enabled to access and change data on all sites with minimal latency. In addition, data loss should be minimized if a server fails. A high-availability solution should be designed, and the business requirements should be satisfied.
Which action should be included in your solution?
A. Failover clustering should be included.
B. Asynchronous database mirroring without a witness server should be included.
C. Peer-to-Peer replication should be included.
D. Log shipping to servers at two of the sites to offer read-only replications of data should be included.
Answer: C

16.You are a professional level SQL Server 2008 Database Administrator in an international corporation named Wiikigo.
You are experienced in managing databases in an enterprise-level organization,optimizing and sustaining the database life cycle. In the company, your job is to implement solutions on security, troubleshooting, deployment and optimization.
A SQL Server 2008 infrastructure is managed by you. A corporate backup and recovery strategy that has to be validated is designed.
You are required to make sure that any single database can be restored successfully from a severe failure, and during the restoration, a backup data center should not be required in a different location.
Which three actions should be contained by your solution? (Choose more than one)
A. All SQL Server instances should be installed on a failover cluster.
B. One list of all Windows logins and passwords should be sustained.
C. All backup media offsite should be stored.
D. SQL login accounts and credentials should be scripted.
E. The administrative processes and application access requirements should be documented.
Answer: CDE

17.You are a professional level SQL Server 2008 Database Administrator.
A new database should be deployed, and the capacity requirements listed below should be satisfied.
There should be 275 GB for the database data file, while there should be 50 GB for the transaction log file.
There are six 100-GB disk drives which are accessible for the database in the storage array. The six disks are attached to a redundant array of independent disks (RAID) controller, and the controller supports RAID levels 0, 1, 5, and 10.
Since you are the technical support, you are required to maximize the write performance of the transaction log. In addition, you should protect the database and transaction log files,
when a drive fails.

The storage system should be designed.
From the following four storage configuration, which one should you utilize?
A. A single RAID 5 volume should be utilized.
B. A RAID 1 volume and a RAID 5 volume should be utilized.
C. A single RAID 10 volume should be utilized.
D. A RAID 0 volume and a RAID 5 volume should be utilized.
Answer: B

18.You are a professional level SQL Server 2008 Database Administrator.
Two SQL Server 2008 instances are contained by the site. One is an Enterprise Edition server, and it is on a server that has a redundant array of independent disks (RAID) 10 disk system The other is a Standard Edition server, and it is on a server that has a RAID 5 disk system. A single application is hosted by each instance.
A high-availability solution should be recommended for the site to satisfy the business requirements listed below:
- First, the solution can be implemented on the current systems.
- Secondly, the database is available with least downtime.
- Thirdly, Data loss should be cut to the least.
- Fourthly, the existing system should be with least impact.
Which solutions should be utilized to finish the task? (Choose more than one)
A. To finish the task, Log shipping should be utilized.
B. To finish the task, Failover clustering should be utilized.
C. To finish the task, Replication should be utilized.
D. To finish the task, Database snapshot should be utilized.
Answer: AC

19.You are a professional level SQL Server 2008 Database Administrator in an international corporation named Wiikigo.
There is a team of database administrators in your company.
SQL Server 2008 Integration Services (SSIS) packages are created on the test server in a shared project by a team of application developers. A fixed cache file is required by one of the packages.
The company will deploy the packages to the production server on completion of development.
The production server is available only to the database administrators.
Since you are the technical support, you need to confirm that the project can be deployed successfully to the production server by the application developers.
Which action will you perform to achieve the goal?
A. To achieve the goal, the Import and Export Wizard should be utilized to save packages.
B. To achieve the goal, a direct package configuration should be created for each package.
C. To achieve the goal, a deployment utility should be created for the SSIS project.
D. To achieve the goal, an indirect package configuration should be created for all packages.
Answer: C

20.You are a professional level SQL Server 2008 Database Administrator in an international corporation named Wiikigo.

A 32-bit version is utilized by the instance on a Windows Server 2008 64-bit server. You activate the awe enabled option. A predictable increase in query activity will be experienced by the instance. You are required to figure out the most proper and beneficial time to have the databases migrated to a 64-bit SQL Server 2008 server on the same hardware.
A data collector type that proper information is provided should be identified.
What kind of collector should you utilize?
A. You should utilize SQL Trace collector
B. You should utilize Performance Counters collector
C. You should utilize T-SQL Query collector
D. You should utilize Query Activity collector
Answer: B