Microsoft

EXAM 70-450

PRO: Designing, Optimizing and Maintaining a Database Administrative Solution Using Microsoft SQL Server 2008

Total Questions: 97

Question: 1

You administer a SQL Server 2008 instance. You plan to deploy a new database that has the following capacity requirements:
275 GB for the database data file
50 GB for the transaction log file
The storage array has six 100-GB disk drives available for the database. The disks are attached to a redundant array of independent disks (RAID) controller that supports RAID levels 0, 1, 5, and 10.
The write performance of the transaction log needs to be maximized. The database and transaction log files must be protected in the event of a drive failure.
You need to design the storage system.
Which storage configuration should you use?

A. A single RAID 5 volume
B. A single RAID 10 volume
C. A RAID 0 volume and a RAID 5 volume
D. A RAID 1 volume and a RAID 5 volume

Answer: D

Question: 2

You administer a SQL Server 2008 instance. The instance is located on a four-processor, quad-core server. The server frequently experiences CPU pressure. The instance contains a very large mission-critical database that is used continuously. You need to ensure that online index rebuilds do not consume all available CPU cycles. Which configuration option should you use?

A. affinity mask
B. affinity I/O mask
C. max degree of parallelism
D. optimize for ad hoc workloads

Answer: C

Question: 3

You administer a SQL Server 2008 infrastructure. An instance runs on a computer that has eight quad-core processors and 128-GB RAM. Four different applications use the instance. The instance experiences a low number of CXPACKET waits. The instance also experiences a large number of lazy writer waits. You need to optimize the performance of the instance. What should you do?

A. Configure the Resource Governor.
B. Configure the Windows System Resource Manager.
C. Configure software non-uniform memory access (soft-NUMA).
D. Configure an increase in the maximum degree of parallelism option.

Answer: C

Question: 4

You administer a SQL Server 2008 instance. The instance runs on a computer that has the following features:
A 64-GB RAM
Four quad-core processors
Several independent physical raid volumes
You plan to implement a transactional database on the instance. The database is expected to have a high volume of INSERT, UPDATE, and DELETE activities. The activities include creation of new tables. You need to optimize the performance of the database by maximizing disk bandwidth and reducing the contention in the storage allocation structures.
What should you do?

A. Create multiple data files for the database.
B. Place database and log files on the same volume.
C. Configure the affinity mask option appropriately.
D. Configure the affinity I/O mask option appropriately.

Answer: A

Question: 5

You administer a SQL Server 2008 instance. You plan to deploy a new database to the instance. The database will be subject to frequent inserts and updates. The database will have multiple schemas. One of the schemas will contain a large amount of read-only refrence data. You need to design the physical database structure for optimal backup performance. What should you do?

A. Create the database by using a single data file and a single log file.
B. Create the database by using a single data file and multiple log files.
C. Create the database by using a single log file and multiple filegroups.
D. Create the database by using a single log file and a filegroup that has multiple data files.

Answer: C

Question: 6

You administer a SQL Server 2008 instance. You deploy a new database named Engineering. The Engineering database manages large documents that will be revised occasionally. You need to design a table structure that allows fast read access. You also need to minimize storage space requirements. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Use NTFS file system compression on the volume.
B. Use row-level compression on the document table.
C. Use varbinary(MAX) data type with FILESTREAM storage.
D. Enable row-level compression on all columns that use the vardecimal() data type.

Answer: A, C

Question: 7

You administer a SQL Server 2008 Reporting Services (SSRS) instance. You plan to design an authentication method for SSRS reports that use SQL Server data connections. You need to ensure that all SSRS reports communicate to the SQL Server instance by using the Kerberos authentication protocol. What should you do?

A. Configure the default Web site on the instance to use the Integrated Security type.
B. Configure the application pool used by the default Web site to use a domain account.
C. Configure the default Web site on the instance to use the Secure Sockets Layer (SSL) protocol.
D. Register a service principal name (SPN) in the Active Directory directory service for the SSRS instance.

Answer: D

Question: 8

You administer a SQL Server 2008 instance. You plan to design the security requirements for a new database application that will be deployed to the instance. The new database contains a table that is created by using the following code segment:
CREATE TABLE EmpBonusPlan
(
EmployeeID INT NOT NULL IDENTITY(1,1),
NumOptions INT NOT NULL,
BaseSalary MONEY NOT NULL,
BonusPlan VARBINARY(MAX) FILESTREAM
)
You need to ensure that the BonusPlan column is protected from unauthorized access by using the most secure method. What should you do?

A. Use Transparent data encryption.
B. Use the Trustworthy option for the database.
C. Use the Advanced Encryption Standard encryption on all columns in the database.
D. Use the NTFS file system security and limit the access of the database files to the SQL Server 2008 Service account.

Answer: D

Question: 9

You administer a SQL Server 2008 instance. The instance hosts a database that is used by a Web-based application. The application processes 15,000 transactions every minute. A table in the database contains a column that is used only by the application. This column stores sensitive data.
You need to store the sensitive data in the most secure manner possible. You also need to ensure that you minimize the usage of memory space and processor time. Which encryption type should you use?

A. Symmetric key encryption
B. Asymmetric key encryption
C. Certificate-based encryption
D. Transparent data encryption

Answer: A

Question: 10

You administer a SQL Server 2008 instance. You plan to deploy a third-party database application to the instance. The application uses stored procedures that are developed by using SQL CLR integration. The application must be configured to enable the EXTERNAL_ACCESS code access security setting. You need to ensure that the application is deployed to the instance without loss of functionality. What should you do first?

A. Replace read write non-static fields in the code with static fields.
B. Replace read-only static fields in the code with read write static fields.
C. Use the peverify.exe PEVerify tool to verify whether the code meets the type-safety requirements.
D. Use the regasm.exe assembly registration tool to register the assembly on the server before deployment.

Answer: C

Question: 11

You administer a SQL Server 2008 instance. You plan to design the security requirements for a new database application. The application uses a code segment that contains the following components:
A method that accesses the registry on the SQL Server
A method that accesses the file system on a network file server
A class definition that uses public static fields
The code segment uses SQL CLR integration and is implemented as a single assembly.
You need to ensure that the application is successfully deployed to the instance.
What should you do?

A. Use the SAFE code access security for the assembly.
B. Replace all public static fields with public fields.
C. Replace all public static fields with public static read-only fields. Use the EXTERNAL_ACCESS code access security for the assembly.
D. Replace all public static fields with public static read-only fields. Register the assembly by using the regasm.exe utility before deployment.

Answer: C

Question: 12

You administer a SQL Server 2008 instance that will host a new database application. You plan to design the security requirements for the application. Each application user has a unique login to the SQL Server 2008 server. The application database contains stored procedures to execute stored procedures in the MSDB database. The stored procedures in the MSDB database schedule SQLAgent jobs. You need to ensure that the stored procedures in the MSDB database are executed by using the security context of the application user. What should you do?

A. Add each user to the public role in the MSDB database.
B. Add each user to the db_dtsltduser database role in the MSDB database.
C. Configure the new database to use the TRUSTWORTHY option, and then add each user to the MSDB database.
D. Configure the MSDB database to use the TRUSTWORTHY option, and then add each user to the MSDB database.

Answer: C

Question: 13

You administer a SQL Server 2008 instance. The instance hosts a new database application. You plan to design the data security strategy for the application. You will use Snapshot replication to replicate the data to another instance of SQL Server 2008. You need to ensure that all stored data is encrypted by using the least amount of administrative effort. What should you do?

A. Enable encrypted connections between the instances.
B. Enable Transparent data encryption for the MSDB database on the two instances.
C. Enable Transparent data encryption for the Publisher, Distribution, and Subscriber databases.
D. Enable certificate-based encryption for the Publisher, Distribution, and Subscriber databases.

Answer: C

Question: 14

You administer SQL Server 2008 servers on a single site. The site contains the following two SQL Server 2008 instances:
An Enterprise Edition server on a server that has a redundant array of independent disks (RAID) 10 disk system
A Standard Edition server on a server that has a RAID 5 disk system
Each instance hosts a single application.
You need to recommend a high-availability solution for the site to meet the following business requirements:
The solution can be implemented on the existing systems.
The database is available with minimal downtime.
Data loss is minimal.
There is minimal effect on the existing system.
What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Replication
B. Log shipping
C. Failover clustering
D. Database snapshot

Answer: A, B

Question: 15

You administer SQL Server 2008 instances at three sites. All sites share a mission-critical database. The business requirements specify that users at each site must be able to perform the following tasks:
Access and modify data on all sites with minimal latency.
Minimize data loss in the event of a server failure.
You need to provide a high-availability solution that meets the business requirements.
Which solution should you implement?

A. Failover clustering
B. Peer-to-Peer replication
C. Asynchronous database mirroring without a witness server
D. Log shipping to servers at two of the sites to provide read-only copies of data

Answer: B

Question: 16

You administer a SQL Server 2008 infrastructure. An instance hosts a business-critical database that must be continuously available to the users without data loss. The database includes Filestream data. You need to implement a high-availability solution for the site. Which solution should you use?

A. Failover clustering
B. Database snapshot
C. Asynchronous database mirroring
D. Synchronous database mirroring with a witness server

Answer: A

Question: 17

You administer four SQL Server 2008 instances. Each instance hosts a single database application.
You plan to migrate all four instances to a new SQL Server failover cluster. The four instances are configured as shown in the following table.

Instance Name	Configuration
Instance 1	8 processors that have 16-GB RAM
Instance 2	4 processors that have 8-GB RAM
Instance 3	2 processors that have 16-GB RAM
Instance 4	4 Processors that have 8-GB RAM

The four instances are fully optimized and have no spare CPU cycles or extra memory. The new cluster will host all four databases on a single virtual cluster IP address. You need to ensure that the new cluster is configured to handle the workload of all the database applications by using the minimum amount of hardware resources. Which cluster configuration should you use?

A. Four-node active/active/active/active cluster that has each node containing a minimum of 9 processors and a 25-GB memory
B. Two-node active/active cluster that has each node containing a minimum of 9 processors and a 25-GB memory
C. Two-node active/passive cluster that has each node containing a minimum of 18 processors and a 50-GB memory
D. Four-node active/active/active/passive cluster that has each node containing a minimum of 18 processors and a 50-GB memory

Answer: C

Question: 18

You administer a SQL Server 2008 instance. The instance hosts a database configured by using high-safety mirroring operation mode along with a witness server. The witness server is experiencing memory failure and will be offline for four hours. You need to reconfigure the mirroring strategy to minimize the risk of database unavailability. What should you do?

A. Pause database mirroring.
B. Use asynchronous operating mode.
C. Remove database mirroring.
D. Remove the witness server from the mirroring session.

Answer: D

Question: 19

You administer a SQL Server 2008 instance. The instance is one of three servers in a peer-to-peer transactional replication topology. The publication contains a table named Orders. The Orders table contains 200 GB of data across multiple partitions. A batch process bulk loads 10 GB of data to the Orders table periodically. You need to design a replication strategy to minimize latency. What should you do?

A. Configure the Distributor agent to replicate transactions continually.
B. Configure the Distributor agent to change the commit batch threshold.
C. Use the BULK INSERT command in multiple staging tables. Switch partitions into the Orders table.
D. Disable the Distributor agent. Use the BULK INSERT command in the Orders table. Reinitialize the publication.

Answer: C

Question: 20

You administer a SQL Server 2008 infrastructure. You implement log shipping for several databases on three SQL Server instances. The logs are shipped to a fourth SQL Server instance. You plan a manual failover. You need to ensure that the database applications use the secondary server after failover. You also need to ensure that users can access the most recent data. Which three tasks should you perform? (Each correct answer presents part of the solution. Choose three.)

A. Redirect client computers to the secondary instance.
B. Back up all databases on the secondary instance.
C. Copy all log shipping network shares to the secondary instance.
D. Back up the tail of the transaction log of primary databases by using the WITH NORECOVERY option.
E. Apply any unapplied transaction log backups in sequence to each secondary database by using the WITH RECOVERY option on the last log.

Answer: A, D, E

Question: 21

You administer a SQL Server 2008 instance that hosts a large database. The database experiences high volumes of queries and transactions that are processor-intensive. You plan to implement an incremental backup strategy for the database. You also plan to use backup compression. You need to ensure that the backup jobs have a minimal effect on the performance of the server. What should you do?

A. Use database snapshots.
B. Use the Resource Governor.
C. Reconfigure the Affinity I/O Mask configuration option.
D. Spread the database backup across multiple backup devices.

Answer: B

Question: 22

You administer a SQL Server 2008 instance. The instance hosts a database that contains sensitive data. You plan to implement a database backup strategy for the database. You need to ensure that all backups of the database are encrypted. You also need to prevent unauthorized access of the backups. What should you do?

A. Use Windows BitLocker Drive Encryption technology.
B. Use Transparent database encryption.
C. Use the BACKUP statement along with the PASSWORD option.
D. Use the BACKUP statement along with the MEDIAPASSWORD option.

Answer: B

Question: 23

You administer a SQL Server 2008 instance that hosts a large financial database. The database has the following backup strategies:
A full database backup is performed once a week.
A differential backup is performed every day.
A transaction log backup is performed every hour.
You plan to execute an end-of-year batch process that takes two hours to run. The batch process will modify about five percent of data within the database.
You need to ensure that if the Finance department does not approve the batch process, the batch operation can be rolled back in minimum possible time.
What should you do prior to starting the batch process?

A. Perform a differential backup.
B. Create a database snapshot.
C. Create a marked transaction. Perform a transaction log backup.
D. Record the time before the batch operation. Perform a transaction log backup.

Answer: B

Question: 24

You administer a SQL Server 2008 database solution. All data modifications are performed through stored procedures that use only the INSERT, UPDATE, or DELETE statements. You are designing a backup strategy. You need to ensure that the following business requirements are met:
The backup strategy supports point-in-time recovery for failure at any time of day.
The transaction log uses the least amount of disk space.
What should you do?

A. Use hourly database snapshots.
B. Use the full-recovery model along with differential backups.
C. Use the simple-recovery model along with differential backups.
D. Use the full-recovery model along with transaction log backups.

Answer: D

Question: 25

You administer a SQL Server 2008 instance that hosts a database. The backup strategy used by the database is as shown in the following table.

Backup Type	Frequency	Time of the Backup	Time Taken for the Backup
Full Database	Tuesday, Thursday, Saturday	21:00 hr	60-90 minutes
Differential	Monday, Wednesday, Friday	21:00 hr	30-45 minutes
Transaction Log	Hourly	Hourly	< 5 minutes

You run a batch process on Saturday that lasts from 21:00 hr to 23:00 hr. You discover that the batch process is invalidated because a user has modified some data at 21:05 hr on the same day. You need to restore the database to its state at the start of the batch process in the least possible time. What should you do?

A. Restore the full database backup that was performed on Saturday.
B. Restore the full database backup that was performed on Thursday. Restore all transaction logs from the time of the full backup on Thursday and stop at 21:00 hr on Saturday.
C. Restore the full database backup that was performed on Saturday. Restore all transaction logs from the time of the full backup on Saturday and stop at 21:00 hr on Saturday.
D. Restore the full database backup that was performed on Thursday. Restore the differential backup that was performed on Friday. Restore all transaction logs from the time of the differential backup on Friday and stop at 21:00 hr on Saturday.

Answer: D

Question: 26

You administer a SQL Server 2008 instance that hosts a large database. The following backup strategy is used for the database:
A full database backup is performed at 02:00 hr every Monday.
A differential backup is performed at 23:00 hr every day.
A transaction log backup is performed on an hourly basis.
A power failure on Thursday causes the SQL Server 2008 server to restart at 09:15 hr. Fifteen minutes after the server restarts, the users report that they are unable to execute certain queries that access customer data. You discover that the customer data is unmodified after the power failure.
When you execute the DBCC CHECKDB command on the database, you receive the following error message:
Object ID 2814307832, index ID 2, partition ID 83127819437122157, alloc unit ID 82134587923221126 (type In-row data): Page (3421:169) could not be processed. See other errors for details.
Table error: Object ID 2814307832, index ID 2, partition ID 83127819437122157, alloc unit ID 82134587923221126 (type In-row data), page (3421:169). Test (IS_OFF (BUF_IOERR, pBUF->bstat)) failed. Values are 16928422 and -8.
CHECKDB found 0 allocation errors and 2 consistency errors in table 'tbl_Customer' (object ID 2814307832).
When you execute the sp_help 'tbl_customer' stored procedure you receive the following result set:
index_name index_description
------------- ----------------------------------
PK clustered located on PRIMARY
NCIX nonclustered located on PRIMARY
You need to ensure that the data is available as quickly as possible with minimal effect on users.
What should you do?

A. Drop and recreate the PK index.
B. Drop and recreate the NCIX index.
C. Restore the latest full database backup. Restore all transaction log backups from the latest full database backup.
D. Restore the latest full database backup. Restore the latest differential backup. Restore all transaction log backups from the latest differential backup.

Answer: B

Question: 27

You administer a SQL Server 2008 database solution that is log-shipped for high-availability purposes. The data files of the database are located on drive D. The transaction log files of the database are located on drive E. You are designing a recovery test plan to meet the following requirements for the log-shipping solution:
The secondary database is brought online as quickly as possible.
The data loss is minimal.
The data is in a consistent state.
You need to identify the first step for the recovery test plan when drive D fails.
Which step should you choose?

A. Bring the secondary database online.
B. Perform the tail-log backup of the primary database.
C. Execute the DBCC CHECKDB command along with the REPAIR_REBUILD option against the primary database.
D. Execute the DBCC CHECKDB command along with the REPAIR_ALLOW_DATA_LOSS option against the primary database.

Answer: B

Question: 28

You administer a SQL Server 2008 instance that hosts a large database. The database has the following backup strategy:
Full database backups are performed weekly.
Differential backups are performed daily.
Transaction log backups are performed hourly.
The recovery plan requires you to perform an unscheduled full backup.
You need to perform a full database backup without interrupting the scheduled backup strategy.
Which backup option should you use?

A. SKIP
B. NOINIT
C. MIRROR TO
D. COPY_ONLY

Answer: D

Question: 29

You administer a SQL Server 2008 infrastructure. You design a corporate backup and recovery strategy that has to be validated. You need to ensure the successful recovery of any single database from a catastrophic failure without requiring a backup data center in a different location. Which three tasks should you include? (Each correct answer presents part of the solution. Choose three.)

A. Store all backup media offsite.
B. Script SQL login accounts and credentials.
C. Install all SQL Server instances on a failover cluster.
D. Maintain one list of all Windows logins and passwords.
E. Document the administrative processes and application access requirements.

Answer: A, B, E

Question: 30

You administer a SQL Server 2008 infrastructure. Your company requires capacity planning information. You need to design a long-term infrastructure monitoring strategy. Which two tasks should you include in your design? (Each correct answer presents part of the solution. Choose two.)

A. Backup all databases every day.
B. Clear the system log and the application log every hour.
C. Review system monitor counters on a regular basis.
D. Baseline the system before you deploy production databases.
E. Create a maintenance plan that rebuilds indexes every week.

Answer: C, D

Question: 31

You administer a SQL Server 2008 instance. Customers report server performance degradation because of a newly implemented process. You use Dynamic Management Views to verify that there are no long running queries. You need to correlate the operating system performance data with the actual query execution trace by using minimum administrative effort. What should you do?

A. Use Data Collector.
B. Use the SQLdiag.exe utility.
C. Use SQL Server Profiler and System Monitor.
D. Use SQL Server Profiler and the tracerpt.exe utility.

Answer: C

Question: 32

You administer a SQL Server 2008 instance. The instance is using a 32-bit version on a Windows Server 2008 64-bit server. The awe enabled option is enabled. The instance will experience a predictable increase in query activity. You plan to ascertain the appropriate time when the migration of the databases to a 64-bit SQL Server 2008 server on the same hardware is beneficial. You need to identify a data collector type that provides the appropriate information. Which collector should you use?

A. SQL Trace collector
B. T-SQL Query collector
C. Query Activity collector
D. Performance Counters collector

Answer: D

Question: 33

You administer a SQL Server 2008 infrastructure. You discover that an instance experiences performance degradation for the following reasons:
Excessive CPU usage
Server processes paging
Deadlocks
You need to design a monitoring solution that can provide data, including detailed deadlock information, to monitor and troubleshoot performance issues. You want to achieve this goal by using the minimum amount of administrative effort.
What tool should you use?

A. Extended Events
B. Resource Governor
C. Database Engine Tuning Advisor
D. Performance Monitor (SYSMON)

Answer: A

Question: 34

You administer a SQL Server 2008 instance. You plan to design a monitoring solution for the instance to monitor object usage statistics. The solution must identify a list of first 10 objects for each of the following components:
Most frequently executed stored procedures and functions
Long running Transact-SQL statements
You need to implement the monitoring solution to minimize performance effect by using the least amount of administrative effort.
What should you do?

A. Use dynamic management views.
B. Use a System Monitor counter log.
C. Use a client-side SQL Server Profiler trace.
D. Use a server-side SQL Server Profiler trace.

Answer: A

Question: 35

You administer a SQL Server 2008 infrastructure. The instance contains a database required for the day-to-day business of your company. Users experience slow response time when they execute reports. You plan to design a performance monitoring strategy that captures and stores the following data:
Executed Transact-SQL statements and query activity.
Blocking and deadlock information.
Counters for disk, CPU, and memory.
You need to implement the monitoring process by using the minimum amount of administrative effort.
What should you do?

A. Use the data collector.
B. Use the client-side profiler trace.
C. Use the dynamic management views.
D. Use the System Monitor counter log trace.

Answer: A

Question: 36

You administer a SQL Server 2008 infrastructure. You plan to design a maintenance strategy for a mission-critical database that includes a large table named Orders. The design plan includes index maintenance operations. You must design the strategy after considering the following facts:
The Orders table in the database is constantly accessed.
New rows are frequently added to the Orders table.
The average fragmentation for the clustered index of the Orders table is less than 2 percent.
The Orders table includes a column of the xml data type.
You need to implement the strategy so that the performance of the queries on the table is optimized.
What should you do?

A. Drop the clustered index of the Orders table.
B. Rebuild the clustered index of the Orders table offline once a month.
C. Reorganize the clustered index of the Orders table by decreasing the fill factor.
D. Exclude the clustered index of the Orders table from scheduled reorganizing or rebuilding operations.

Answer: D

Question: 37

You administer a SQL Server 2008 infrastructure. An instance contains a database that includes a large table named OrderDetails. The application queries only execute DML statements on the last three months data. Administrative audits are conducted monthly on data older than three months. You discover the following performance problems in the database. The performance of the application queries against the OrderDetail table is poor. The maintenance tasks against the database, including index defragmentation, take a long time. You need to resolve the performance problems without affecting the server performance. What should you do?

A. Create a database snapshot for the OrderDetails table every three months.
Modify the queries to use the current snapshot.
B. Create an additional table named OrderDetailsHistory for data older than three months.
Partition the OrderDetails and OrderDetailsHistory tables in two parts by using the OrderDate column.
Create a SQL Server Agent job that runs every month and uses the ALTER TABLE...SWITCH Transact-SQL statement to move data that is older than three months to the OrderDetailsHistory table.
C. Create an additional table named OrderDetailsHistory for data older than three months.
Create a SQL Server Agent job that runs the following Transact-SQL statement every month. INSERT INTO OrderDetailsHistory
SELECT * FROM OrderDetails
WHERE DATEDIFF(m,OrderDate,GETDATE())>3
D. Create an additional table named OrderDetailsHistory for data older than three months.
use the following Transact-SQL statement.
CREATE TRIGGER trgMoveData
ON OrderDetails
AFTER INSERT
AS
INSERT INTO OrderDetailsHistory
SELECT * FROM OrderDetails
WHERE DATEDIFF(m,OrderDate,GETDATE())>3

Answer: B

Question: 38

You administer a SQL Server 2008 infrastructure. Humongous Insurance has 20 branch offices that store customer data in SQL Server 2008 databases. Customer data that is stored across multiple database instances has to be security compliant. You plan to design a strategy for custom policies by using the Policy-Based Management feature. Custom policies are in XML format. The strategy must meet the following requirements:
Custom policies are distributed to all instances.
The policies are enforced on all instances.
You need to implement the strategy by using the least amount of administrative effort.
What should you do?

A. Use a configuration server.
B. Use the Distributed File System Replication service.
C. Distribute the policies by using Group Policy Objects.
D. Distribute the policies by using the Active Directory directory service.

Answer: A

Question: 39

You administer a SQL Server 2008 infrastructure. An instance contains a database that includes a table named EmployeeData. The EmployeeData table has a column named Profile. The column is used to store Microsoft Office Word 2003 documents. You need to minimize the space occupied by the Profile column. You also need to maintain a reasonable performance to retrieve the content of the column. What should you do?

A. Use ROW compression for the EmployeeData table.
B. Use PAGE LEVEL compression for the EmployeeData table.
C. Implement the Profile column as a CLR user-defined type.
D. Store the Profile column by using filestream storage, and use the NTFS file system compression.

Answer: D

Question: 40

You administer a SQL Server 2008 infrastructure. You partition the largest table in a database into four equal-sized parts. The first two partitions are rarely queried. The third partition is frequently queried by several reports. The last partition is heavily queried and frequently modified. You need to minimize the disk space of the table and ensure that this has minimum effect on the query performance. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Enable ROW compression for the last partition.
B. Enable ROW compression for the third partition.
C. Enable ROW compression for the first two partitions.
D. Enable PAGE compression for the last partition.
E. Enable PAGE compression for the third partition.
F. Enable PAGE compression for the first two partitions.

Answer: B, F

Question: 41

You administer a SQL Server 2008 infrastructure. You plan to design a solution to obtain hardware configurations, such as the number of processors on a computer and the processor type of all SQL Server 2008 computers. The solution must meet the following requirements:
It is hosted on the central computer.
It can verify hardware configurations for multiple servers.
You need to select a technology that meets the requirements by using the minimum amount of development effort.
What should you do?

A. Use the Invoke-Sqlcmd cmdlet in SQL Server PowerShell cmdlet.
B. Define policies based on conditions by using the ExecuteSql function.
C. Define policies based on conditions by using the ExecuteWQL function.
D. Use the Windows Management Instrumentation (WMI) provider for the server events.

Answer: C

Question: 42

You administer a SQL Server 2008 infrastructure. Your company wants to enforce naming standards for the database objects. You need to design a solution to enforce naming standards by using the minimum amount of administrative and programming efforts. What should you do?

A. Use event notifications to handle the DDL events.
B. Create Policy-Based Management policies, and then distribute the policies by using a configuration server.
C. Create DDL triggers for one of the instances, and then use SQL Server Management Objects (SMO) to script the definition of the DDL triggers. Run the script by using Microsoft Windows PowerShell on all instances.
D. Create DDL triggers for one of the instances, and then use Microsoft SQL Server Management Studio (SSMS) to script the definition of the DDL triggers. Run the script on all instances by using the registered servers node from SSMS.

Answer: B

Question: 43

You administer a SQL Server 2008 instance. You plan to deploy new SQL Server 2008 Integration Services (SSIS) packages that are created by the SQL Server Import and Export Wizard. The packages will connect to external data sources by using stored user names and passwords. You need to ensure that the user names and passwords are protected from access by unauthorized users. What should you do?

A. Use the SQL Server 2008 server to store the packages, and manage the security in the SQL Server 2008 server.
B. Ensure that no data is saved along with the packages, and save the files to the most secure directory.
C. Ensure that no sensitive data is saved along with the packages, and save the packages in the SQL Server 2008 server.
D. Set a common password to make all information in the package as secure as possible when each package is saved.

Answer: A

Question: 44

You administer a SQL Server 2008 instance for your company. Your company has a team of database administrators. A team of application developers create SQL Server 2008 Integration Services (SSIS) packages on the test server in a shared project. One of the packages requires a fixed cache file. On completion of development, the packages will be deployed to the production server. Only the database administrators can access the production server. You need to ensure that the application developers can deploy the project successfully to the production server. What should you do?

A. Use the Import and Export Wizard to save packages.
B. Create a deployment utility for the SSIS project.
C. Create a direct package configuration for each package.
D. Create an indirect package configuration for all packages.

Answer: B

Question: 45

You administer a SQL Server 2008 infrastructure. You administer two SQL Server 2008 instances named Instance1 and Instance2. Instance1 contains the Sales database, and Instance2 contains the Accounts database. A procedure in the Sales database starts a transaction. The procedure then updates the Sales.dbo.Order table and the Accounts.dbo.OrderHistory table through a linked server. You need to ensure that the transaction uses a two-phase commit. What should you do?

A. Configure the linked server to use distributed transactions.
B. Configure a Service Broker to enable the appropriate transaction control.
C. Ensure that the linked server is appropriately configured for delegation.
D. Ensure that the linked server is appropriately configured for impersonation.

Answer: A

Question: 46

You administer a SQL Server 2008 infrastructure. You administer a SQL Server 2008 instance named Instance1 at the New York central site. Your company has a sales team to fulfill purchase orders for customer requests. The sales team uses portable computers to update data frequently in a local database. When the portable computers connect to the central site, the local database must be synchronized with a database named Sales. You plan to create a replication model to replicate the local database to the Sales database. The replication model must meet the following requirements:
Data conflicts are handled when multiple users update the same data independently.
The sales team cannot update sensitive data such as product price.
The sales team can synchronize data at scheduled times and on demand also.
You need to identify the best model to replicate data by using minimum development efforts.
What should you do?

A. Use merge replication along with each portable computer that is set up as a subscriber.
B. Use snapshot replication along with each portable computer that is set up as a subscriber.
C. Use transactional replication along with each portable computer that is set up as a publisher.
D. Use SQL Server Integration Services (SSIS) to push data changes and pull updates to the Sales database along with the SSIS packages, on demand.

Answer: A

Question: 47

You are a professional level SQL Sever 2008 Database Administrator in an nternational corporation named ABC ltd.. You are experienced in managing databases in an enterprise-level organization, optimizing and staining the database life cycle. In the company, your job is to implement solutions on security, troubleshooting, deployment and optimization. A SQL Server 2008 instance should be managed. 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

Question: 48

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. 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 will be 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 and 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

Question: 49

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance should be managed by you. The computer on which the instance run has the following three features: a 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

Question: 50

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. After a regular test, you find that performance degradation is experienced by an instance for the three reasons: Excessive CPU, usageServer 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

Question: 51

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. There are 30 branch offices in DoubleSecurity 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

Question: 52

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 database solution is managed by you. 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. In addition, 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

Question: 53

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance 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

Question: 54

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. 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 o the MSDB database.

Answer: D

Question: 55

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. 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, and a class definition that public static fields are utilized.
SQL CLR integration is utilized by the code segment, and 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

Question: 56

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. 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

Question: 57

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. SQL Server 2008 instances at five sites are managed by you. 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

Question: 58

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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: A, D, E

Question: 59

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. 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

Question: 60

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. SQL Server 2008 servers on a single site are managed by you. 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: A, C

Question: 61

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance of your company is managed by you. 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

Question: 62

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. A database is hosted by the instance and the database is configured by utilizing high-safety mirroring operation mode along with a witness server. A memory failure is experienced by the witness server; therefore the server will be offline for five hours. The mirroring strategy should be reset to cut the risk of database unavailability to the least level. Which action should you perform to finish the task?

A. To finish the task, database mirroring should be paused.
B. To finish the task, the witness server should be moved from the mirroring session.
C. To finish the task, asynchronous operating mode should be utilized.
D. To finish the task, database mirroring should be removed.

Answer: B

Question: 63

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. And a large financial database is hosted by the instance. The backup strategies listed below are contained by the database. First, the performance of a full database backup is implemented once a week. Secondly, the performance of a differential backup is implemented every day. Thirdly, the performance of a transaction log backup is implemented every hour. An end-of-year batch process should be implemented, and the process takes two hours to run. About five percent of data within the database will be changed by the batch process. Since you are the technical support, you are required to make sure that the batch operation can be rolled back in the shortest time, if the batch process is not approved by the Finance department. What should you do first before start the batch process?

A. You should perform a differential backup.
B. You should create a marked transaction. And then you should perform a transaction log backup.
C. You should create a database snapshot.
D. You should record the time before the batch operation. And then you should perform a transaction log backup.

Answer: C

Question: 64

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. A database is hosted by the instance, and sensitive data is included in the database. A database backup strategy will be implemented for the database. You need to have all backups of the database encrypted. The backups should not be accessed by unauthorized users. Which action will you perform?

A. Transparent database encryption should be utilized.
B. Windows BitLocker Drive Encryption technology should be utilized.
C. The BACKUP statement should be utilized along with the PASSWORD option.
D. The BACKUP statement should be utilized along with the MEDIAPASSWORD option.

Answer: A

Question: 65

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. And a large database is hosted by the instance. The company utilizes the following backup strategy for the database. First, the performance of a full database backup is implemented at 02:00 hr every Monday. Secondly, the performance of a differential backup is implemented at 23:00 hr every day. Thirdly, the performance of a transaction log backup is implemented on an hourly basis. A reboot is caused on the SQL Server 2008 server by a power failure at 09:15 hr, Thursday. Fifteen minutes after the reboot of the server, it is reported that certain queries that access customer data cannot be executed. You find that the customer data remains unvaried after the power failure. When the DBCC CHECKDB command is executed on the database, the following error message is received.
Object ID 2814307832,
index ID 2,
partition ID 83127819437122157,
alloc unit ID 82134587923221126 (type In-row data): Page (3421:169) could not be processed. See other errors for details.
Table error: Object ID 2814307832, index ID 2, partition ID 83127819437122157, alloc unit ID 82134587923221126 (type In-row data), page (3421:169).
Test (IS_OFF (BUF_IOERR, pBUF->bstat)) failed.
Values are 16928422 and -8.CHECKDB found 0 allocation errors and 2 consistency errors in
table
'tbl_Customer' (object ID 2814307832).
When the sp_help 'tbl_customer' stored procedure is executed, the following result set is received:
index_name index_description
PK clustered located on PRIMARY

NCIX nonclustered located on PRIMARY

Since you are the technical support, you are required to make sure that the data should be accessible in the shortest time. And the impact on users should be cut to the least. Which action will you perform to finish the task?

A. To finish the task, the PK index should be dropped and recreated.
B. To finish the task, the latest full database backup should be recovered. And all transaction log backups should be recovered from the latest full database backup.
C. To finish the task, the latest full database backup should be recovered. And then, the latest differential backup should be recovered. At last, all transaction log backups should be recovered from the latest differential backup.
D. To finish the task, the NCIX index should be dropped and recreated.

Answer: D

Question: 66

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance should be managed by you. A new database will be deployed to the instance. Regular inserts and updates should be subjected by the database. There will be multiple schemas on the database. A great number of read-only reference data should be contained by one of the schemas. The physical database structure should be designed for optimal backup performance. Which action should you perform?

A. You should utilize a single log file and multiple filegroups to create the database.
B. You should utilize a single data file and a single log file to create the database.
C. You should utilize a single data file and multiple log files to create the database.
D. You should utilize a single log file and a filegroup that has multiple data files to create the database.

Answer: A

Question: 67

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. And a large database is hosted by the instance. High volumes of queries and transactions that are processor-intensive are experienced by the database. An incremental backup strategy should be designed for the database. In addition, backup compression will be utilized. Since you are the technical support of the company, you are required to reduce the impact from the backup jobs on the performance of the server to the least. Which action will you perform to achieve the goal?

A. To achieve the goal, database snapshots should be utilized.

B. To achieve the goal, the Affinity I/O Mask configuration option should be reconfigured.

C. To achieve the goal, the database backup should be spread across multiple backup devices.

D. To achieve the goal, the Resource Governor should be utilized.

Answer: D

Question: 68

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. A new database application is hosted by the instance. The data security strategy should be designed for the application. The data should be duplicated to another instance of SQL Server 2008 by utilizing the Snapshot duplication. Since you are the technical support of the company, you should make sure that all stored data should be encrypted, and the minimum amount of administrative effort should be utilized. Which action will you perform?

A. Encrypted connections should be enabled between the instances.

B. Transparent data encryption should be enabled for the Publisher, Distribution, and Subscriber databases.

C. Transparent data encryption for the MSDB database should be enabled on the two instances.

D. Certificate-based encryption should be enabled for the Publisher, Distribution, and Subscriber databases.

Answer: B

Question: 69

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. Your company wants to enforce naming standards for the database objects. A solution should be designed by you to enforce naming standards, and the least amount of administrative and programming efforts should be utilized. Which action should you perform?

A. Policy-Based Management policies should be created, and then the policies should be distributed by utilizing a configuration server.

B. Event notifications should be utilized to handle the DDL events.

C. DDL triggers should be created for one of the instances, and then SQL Server Management Objects (SMO) should be utilized to script the definition of the DDL triggers. At last, the script should be run by utilizing Microsoft Windows PowerShell on all instances.

D. DDL triggers should be created for one of the instances, and then Microsoft SQL Server Management Studio (SSMS) should be utilized to script the definition of the DDL triggers. At last, the script should be run on all instances by utilizing the registered server's node from SSMS.

Answer: A

Question: 70

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. And a database is hosted by the instance. You can see the backup strategy utilized by the database from table listed below. A batch process is run on Saturday, and the process lasts from 21:00 hr to 23:00 hr. And you find that the batch process takes no effect because certain data is modified some data by a user at 21:05 hr on the same day. The database should be recovered to its state at the start of the batch process in the shortest time. Which action will you perform?

A. The full database backup that was performed on Saturday should be recovered.
B. The full database backup that was performed on Thursday should be recovered. And then, all transaction logs should be recovered from the time of the full backup on Thursday and should be stopped at 21:00 hr on Saturday.
C. The full database backup that was performed on Thursday should be recovered. And then the differential backup that was performed on Friday should be recovered. At last, all transaction logs should be recovered from the time of the differential backup on Friday and should be stopped at 21:00 hr on Saturday.
D. The full database backup that was performed on Saturday should be recovered. And then all transaction logs should be recovered from the time of the full backup on Saturday and should be stopped at 21:00 hr on Saturday.

Answer: C

Question: 71

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. The largest table in a database is partitioned into four equal-sized parts. The first two partitions are seldom queried, while the third partition is regularly queried by several reports. Meanwhile, the fourth partition is heavily queried and regularly modified. The disk space of the table should be cut to the least and the query performance should be with the least impact. What will you do? (Choose more than one.)

Backup Type	Full Database	Differential	Transaction Log
Frequency	Tuesday, Thursday, Saturday	Monday, Wednesday, Friday	Hourly
Time of the Backup	21:00	21:00	Hourly
Time taken for the backup	60-90 minutes	30-45 minutes	Less than 5 minutes

A. PAGE compression should be enabled for the first two partitions.
B. ROW compression should be enabled for the last partition.
C. ROW compression should be enabled for the third partition.
D. ROW compression should be enabled for the first two partitions.
E. PAGE compression should be enabled for the last partition.
F. PAGE compression should be enabled for the third partition.

Answer: A, C

Question: 72

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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. The capacity planning information is required by your company. A long-term infrastructure monitoring strategy should be implemented. Which two actions should be contained in the strategy? (Choose more than one)

A. System monitor counters should be reviewed regularly.
B. After deployment of the production databases, the system should be basedlined.
C. All databases should be backed up every day.
D. The system log and the application log should be cleared every hour.
E. A maintenance plan that rebuilds indexes every week should be created.

Answer: A, B

Question: 73

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is managed by you. And a large database is hosted by the instance. The company utilizes the following backup strategy for the database. First, the performance of full database backups is implemented weekly. Secondly, the performance of differential backups is implemented daily. Thirdly, the performance of transaction log backups is implemented hourly. According to the restoring plan, an unscheduled full backup should be performed. A full database backup should be performed, and the scheduled backup strategy should not be interrupted. Form the following four options, which one should be utilized to finish the task?

A. To finish the task, SKIP should be utilized.
B. To finish the task, NOINIT should be utilized.
C. To finish the task, MIRROR TO should be utilized.
D. To finish the task, COPY_ONLY should be utilized.

Answer: D

Question: 74

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 business-critical database is hosted by the instance, and the database must be constantly available to the users with no data loss. Filestream data is contained by the database. A high-availability solution should be designed for the site. Which solution should be utilized?

A. Database snapshot should be utilized.
B. Failover clustering should be utilized.
C. Asynchronous database mirroring should be utilized.
D. Synchronous database mirroring with a witness server should be utilized.

Answer: B

Question: 75

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance of your company is managed by you. New SQL Server 2008 Integration Services (SSIS) packages will be deployed, and the packages are created by the SQL Server Import and Export Wizard. The packages will utilize stored user names and passwords to connect to external data sources. Since you are the technical support of your company, you are required to confirm that unauthorized users can not get access to the user names and passwords. Which action will you perform?

A. No other data should be saved together with the packages, and then files should be saved to the most secure directory.
B. No sensitive data should be saved together with the packages, and then the packages should be saved in the SQL Server 2008 server.
C. The SQL Server 2008 server should be utilized to store the packages, and administrate the security in the SQL Server 2008 server.
D. A common password should be set to make a highest level of security for all information in the package when each package is saved.

Answer: C

Question: 76

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance is utilized by you. A new database named Engineering is deployed. Large documents are managed by the Engineering database, and the documents will be revised occasionally. A table structure should be designed to permit fast read access. The storage space requirements should be cut to the least. What will you do to achieve the goal? (Choose more than one.)

A. To achieve the goal, row-level compression should be utilized on the document table.
B. To achieve the goal, NTFS file system compression should be utilized on the volume.
C. To achieve the goal, varbinary(MAX) data type should be utilized with FILESTREAM storage.
D. To achieve the goal, row-level compression should be enabled on all columns that the vardecimal() data type is utilized.

Answer: B, C

Question: 77

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. 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 instance should be managed. A monitoring solution should be designed for the instance to have object utilization statistics monitored. A list of first 10 objects should be identified by the solution for each of the following two components:
Most frequently executed stored procedures and functions and long running Transact-SQL statements.
The monitoring solution should be implemented with minimum performance effect, and the least amount of administrative effort should be utilized.
Which action will you perform to accomplish the task?

A. To accomplish the task, a System Monitor counter log should be utilized.
B. To accomplish the task, a client-side SQL Server Profiler trace should be utilized.
C. To accomplish the task, a server-side SQL Server Profiler trace should be utilized.
D. To accomplish the task, dynamic management views should be utilized.

Answer: D

Question: 78

You are a professional level SQL Sever 2008 Database Administrator in an international corporation named ABC ltd.. You are experienced in managing databases in an enterprise-level organization, ptimizing 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 instance is managed by you. A third-party database application will be deployed to the instance. Stored procedures are utilized by the application, and the procedures are developed by utilizing SQL CLR integration. You should set the application to have the EXTERNAL_ACCESS code access security setting enabled. Since you are the technical support of the company, you should deploy the application to the instance with no loss of functionality. Which action will you perform first?

A. Readwrite non-static fields in the code should be replaced with static fields.
B. The peverify.exe PEVerify tool should be utilized to confirm whether the type-safety requirements are satisfied by the code.
C. Read-only static fields in the code should be replaced with readwrite static fields.
D. The regasm.exe assembly registration tool should be utilized to have the assembly registered on the server before deployment.

Answer: B

Question: 79

You administer a SQL Server 2008 infrastructure. Developers in your company have rights to author policies. A test server is used to develop and test the policies. The Policy-Based Management feature generates SQL Server Agent alerts when a policy is violated. The developers are able to create and modify policies, but are unable to test policy violation alerts. You need to grant the necessary permission to the developers to test the policies. You also need to comply with the least privilege principle when you grant the permission. What should you do?

A. Grant the ALTER TRACE permission to the developers.
B. Add the developers to the PolicyAdministratorRole role in the MSDB database.
C. Add the developers to the sysadmin server role.
D. Grant the EXECUTE permission on the sys.sp_syspolicy_execute_policy stored procedure to the developers.

Answer: A

Explanation:
When policies are evaluated on demand, they execute in the security context of the user. To write to the error log, the user must have ALTER TRACE permissions or be a member of the sysadmin fixed server role. Policies that are evaluated by a user that has less privileges will not write to the event log, and will not fire an alert.

Question: 80

You administer a SQL Server 2008 infrastructure. The infrastructure contains SQL Server 2008 servers across four sites. All sites are connected via a WAN link. All sites use the same database application. Your company has the following business requirements: All sites maintain data related to their site. Each site has access to data related to other sites. In the event of any site failure, database activity is redirected to another site. You need to implement a replication topology that meets the business requirements. Which solution should you implement?

A. Snapshot replication
B. Peer-to-Peer replication
C. Transactional replication that uses updating subscriptions
D. HTTP Merge replication

Answer: B

Explanation:
Peer-to-peer replication provides a scale-out and high-availability solution by maintaining copies of data across multiple server instances, also referred to as nodes. Built on the foundation of transactional replication, peer-to-peer replication propagates transactionally consistent changes in near real-time. This enables applications that require scale-out of read operations to distribute the reads from clients across multiple nodes. Because data is maintained across the nodes in near real-time, peer-to-peer replication provides data redundancy, which increases the availability of data.

Question: 81

You administer a SQL Server 2008 instance. You plan to design a high-availability solution by using database mirroring. The current application includes programming logic that will retry transactions if a failover occurs. You need to configure a strategy that will provide the minimum amount of latency for committed transactions. What should you do?

A. Configure manual failover role switching.
B. Configure forced service role switching.
C. Configure automatic failover role switching.
D. Pause database mirroring.

Answer: D

Question: 82

You administer a SQL Server 2008 infrastructure. Several production databases use Transparent database encryption. You perform full database backups of the production databases as part of your backup strategy. You need to ensure that the database backups can be restored on another SQL Server 2008 instance if the original host server fails. What should you do?

A. Back up the server master key.
B. Back up the database master key.
C. Ensure that the instances use the same service account.
D. Back up the resource database.

Answer: B

Explanation:
The database master key is a symmetric key used to protect the private keys of certificates and asymmetric keys that are present in the database. When it is created, the master key is encrypted by using the Triple DES algorithm and a user-supplied password. When enabling TDE, you should immediately back up the certificate and the private key associated with the certificate. If the certificate ever becomes unavailable or if you must restore or attach the database on another server, you must have backups of both the certificate and the private key or you will not be able to open the database. The encrypting certificate or asymmetric should be retained even if TDE is no longer enabled on the database. Even though the database is not encrypted, the database encryption key may be retained in the database and may need to be accessed for some operations.

Question: 83

You administer a SQL Server 2008 Enterprise Edition instance that hosts a large database. The database uses the simple-recovery model. The database contains the following three additional filegroups: FileGroupA that is read/write FileGroupB that is read-only FilegroupC that is read-only FilegroupB contains less critical data than FilegroupC. You discover that the PRIMARY filegroup and FileGroupB have failed. You need to recover the database in the minimum possible time. You also need to ensure that data is available as soon as possible. What should you do?

A. Perform a partial restore of the PRIMARY filegroup and FileGroupB from a partial backup.
B. Perform a partial restore of the PRIMARY filegroup and FileGroupA from a partial backup. Perform an online recovery of FileGroupC, and then perform an online restore of FileGroupB.
C. Perform a partial restore of the PRIMARY filegroup and FileGroupA from a partial backup. Perform an online recovery of FileGroupB, and then perform an online restore of FileGroupC.
D. Perform a full database restore.

Answer: D

Explanation:
Reference:
ms-help://MS.SQLCC.v10/MS.SQLSVR.v10.en/s10de_4deptrbl/html/49828927-1727-4d1d-9ef5-3de43f68c026.htm

Question: 84

You administer a SQL Server 2008 instance that hosts a database solution in a production environment. The database solution uses several SQL Server Agent jobs to periodically transfer data from heterogeneous data sources to the production environment. You also have a separate development environment that is used by several development teams. You design a test recovery plan for the database. You plan to test the recovery plan by performing the following tasks: Restoring the database on a separate SQL Server 2008 instance in a development environment Running a number of unit tests You need to ensure that all database dependencies are included in the recovery plan. Which two objects should you transfer from the production environment to the development environment? (Each correct answer presents part of the solution. Choose two.)

A. msdb database
B. SQL Server Agent jobs
C. master database
D. Custom error messages
E. Login accounts

Answer: B, E

Question: 85

You administer a SQL Server 2008 infrastructure. You plan to design an infrastructure for a new application. The application has the following requirements: Users can connect to an instance named SQLSERVER1. SQLSERVER1 is linked to a server named SQLSERVER2. SQLSERVER1 and SQLSERVER2 run on different computers. The SQL Server instances use only Windows authentication. You need to configure the infrastructure to ensure that the distributed queries are executed in the Windows security context of the login. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Configure all servers to use the Shared Memory network protocol.
B. Use the local computer account as a service account for SQLSERVER1 and SQLSERVER2.
C. Register a server principal name (SPN) for SQLSERVER1 and SQLSERVER2.
D. Ensure that the two instances use the same Windows account for the Microsoft SQL Service. Create the link so that each account uses the current security context.
E. Create a map for each SQL login from SQLSERVER1 to SQLSERVER2 and use the impersonate option.

Answer: C, E

Question: 86

You are designing a database solution by using SQL Server 2008. The database has a large number of tables that have columns that contain sensitive data. The sensitive data must be protected. You need to choose an encryption strategy that has the minimum effect on the performance of the server. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Use Encrypting File System.
B. Use Bitlocker Encryption.
C. Use Transparent Data Encryption (TDE).
D. Use Cell-Level Encryption.

Answer: C

Question: 87

You are configuring a new SQL Server installation. The SQL Server instance will be used for both online analytical processing (OLAP) and relational data. The data in the server is accessed frequently. You can configure the services, startup type, and accounts used by the services that run on the server according to the following table.

Service	Startup type	Account
SQL Server	Automatic	Local System
SQL Server Agent	Automatic	Local System
Analysis Services	Automatic	Local System

You want to raise the level of security on the server. You need to minimize the surface area for potential attacks on the server. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Create a single non-administrative local user account and assign it to each of the services.
B. Create three different non-administrative local user accounts and assign them to each of the services.
C. Change the Startup type property for all the services to Manual.
D. Change the Startup type property for all the services to Disabled.

Answer: C

Question: 88

Your organization has many servers that run SQL Server 2008. You define a rule to ensure that all database servers have Database Mail disabled. You need to be able to identify and resolve any violation of the rule by using the minimum amount of administrative effort. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Define a maintenance plan on each database server.
B. Define a SQL job on each database server.
C. Define a SQL Server policy and import it on each database server.
D. Define a scheduled task on each server.

Answer:

Question: 89

You administer a SQL Server 2008 instance. You plan to deploy multiple databases to the instance. You design the security policy for the instance. A stored procedure verifies the partition compression settings on each database deployed to the instance. You plan to use a policy to execute the stored procedure. You need to ensure that the policy is enforced by using Policy-Based Management Framework. What should you do?

A. Grant EXECUTE permissions on the stored procedure to the SQL server Agent service account.
B. Grant EXECUTE permissions on the stored procedure to the ##MS_PolicyEventProcessingLogin## login.
C. Grant EXECUTE permissions on the stored procedure to the ##MS_PolicyTsqlExecutionLogin## login.
D. Enable the nested triggers server configuration option.

Answer: A

Question: 90

Your SQL Server 2008 database contains two tables named Customer and Order inside the Sales schema. The Sales schema is defined as follows: It has a stored procedure named SetCustomerStatus that reads from Order and modifies Customer. It is owned by a user named SalesUser. Another user named MarketingUser wants to be able to call SetCustomerStatus and change the status of Customer. You need to assign the least permissions necessary to MarketingUser. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Perform the following tasks: Set Execute on SetCustomerStatus. Set Select on Customer. Set Update on Order.
B. Set only Take Ownership on Customer and Order.
C. Perform the following tasks: Set Select on Customer. Set Update on Order.
D. Set only Execute on SetCustomerStatus.

Answer:

Question: 91

Your SQL Server 2008 server has only the SQL Server service running. All other SQL Services are disabled. You have a user named DBReportsUser. You need to restrict DBReportsUser to login only between 17:00 hours and 22:00 hours. You want to achieve this goal by using the minimum amount of administrative effort and the least impact on the Server security. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Create a SQL Server Agent job.
B. Enable login auditing.
C. Use SQL Profiler.
D. Use a logon trigger.

Answer: A

Question: 92

You are the database administrator for a SQL Server that hosts an application defined as follows: The database consists of 4 data files and one log file. The physical server has 16 CPUs and 64 GB of memory. Hardware non-uniform memory access (NUMA) is not available on this server platform. Users of the application report that it is responding slowly. You use SQL Server Profiler to find out that the I/O performance issue is related to the lazywriter process. You need to improve the performance of the application by reducing the I/O performance issue. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Add additional data files to the database.
B. Configure four software non-uniform memory access (soft NUMA) nodes on the server.
C. Add additional RAM to the server.
D. Configure a CPU affinity mask on the server to limit the instance of SQL Server to four CPUs.

Answer: B

Question: 93

You are designing a new SQL Server instance that will support a Web application. The Web application is hosted on a Web farm that contains 32 nodes. The server has 128 GB of memory and 16 processor cores. The application contains two databases and supports both online analytical processing (OLAP) and online transaction processing (OLTP) workloads. When testing the application, you discover that some queries run extremely slow and some queries run very fast. You need to ensure that the server processes database queries as fast as possible. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Use SQL Profiler to identify queries that experience CXPACKET waits. Add (OPTION MAXDOP 1) to each query.
B. Use SQL Profiler to identify queries that experience CXPACKET waits. Add (OPTION MAXDOP 8) to each query.
C. Execute the following command on the server: exec sp_configure 'maximum degree of parallelism',8
D. Execute the following command on the server: exec sp_configure 'maximum degree of parallelism', 1

Answer: C

Question: 94

You are designing the storage scheme for a new SQL Server 2008 database application. The application will primarily be used to query data. The database will be initially populated with 4 terabytes of data stored in 20 tables. The data is distributed evenly throughout all 20 tables. Every night, between 100 GB and 300 GB of new data will be loaded into 4 database tables. The remaining 16 tables will remain static. The average CPU utilization of the server where the application will reside is between 30 and 50 percent. You need to ensure that the amount of disk space used is reduced. You need to achieve this goal by ensuring minimum impact of performance on the server. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Use row-level data compression on the 16 tables that remain static.
B. Use page-level data compression on the 16 tables that remain static.
C. Use page-level data compression on the 4 tables that are loaded every night.
D. Use row-level data compression on the 4 tables that are loaded every night.

Answer: B

Question: 95

You administer a SQL Server 2008 infrastructure. You plan to upgrade a Microsoft SQL Server 2005 instance to SQL Server 2008 by using an in-place upgrade. All user databases use the simple recovery model and have the PAGE_VERIFY option turned off. You need to ensure that the database engine can identify I/O path errors and memory corruptions for the data in tables. Which two actions should you perform before the upgrade? (Each correct answer presents part of the solution. Choose two.)

A. Set the PAGE_VERIFY database option to TORN_PAGE_DETECTION.
B. Set the database recovery model to FULL.
C. Set the PAGE_VERIFY database option to CHECKSUM.
D. Rebuild the clustered indexes and heaps.
E. Execute the DBCC CHECKDB command by using the DATA_PURITY option.
F. Rebuild the nonclustered indexes.

Answer: D, F

Question: 96

You deploy a new database application to a SQL Server 2008 instance on a server that has 4 processor cores and 64 GB of RAM. The application uses partitioned tables. During testing, deadlocks occasionally occur on queries that are attempting to read data. You find out that the deadlocks are related to the table partitions. You need to ensure that the application executes without deadlocks for the read queries. You also need to ensure that dirty reads do not occur. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

A. Disable partition-level lock escalation.
B. Add additional database files to each partitioned table.
C. Move the clustered indexes for the partitioned tables to a separate filegroup.
D. Move each partitioned table to its own filegroup.

Answer: A

Question: 97

You administer a SQL Server 2008 infrastructure. A financial application uses several instances across multiple servers. The majority of queries require distributed transactions across all servers. The application administrator reports that the application experiences excessive deadlocks. You need to design a data collector type that provides the appropriate information for remote servers. What collector should you use?

A. Query Activity collector
B. T-SQL Query collector
C. Performance Counters collector
D. A custom Query collector that uses WMI

Answer: C