QUESTION 1
You administer all the deployments of Microsoft SQL Server 2012 in your company.

You need to ensure that an OLTP database that includes up-to-the-minute reporting requirements can be off-loaded from the primary database to another server.

You also need to be able to add indexes to the secondary database.

Which configuration should you use?

A. • Two servers configured in different data centers
   • SQL Server Availability Group configured in Synchronous-Commit Availability Mode
   • One server configured as an Active Secondary

B. • Two servers configured in the same data center
   • SQL Server Availability Group configured in Asynchronous-Commit Availability Mode
   • One server configured as an Active Secondary

C. • Two servers configured in the same data center
   • A primary server configured to perform log-shipping every 10 minutes
   • A backup server configured as a warm standby

D. • Two servers configured in different data centers
   • SQL Server Availability Group configured in Asynchronous-Commit Availability Mode

E. • Two servers configured on the same subnet
   • SQL Server Availability Group configured in Synchronous-Commit Availability Mode

F. • SQL Server that includes an application database configured to perform transactional replication

G. • SQL Server that includes an application database configured to perform snapshot replication

H. • Two servers configured in a Windows Failover Cluster in the same data center
   • SQL Server configured as a clustered instance

Correct Answer: F
Section: (none)
Explanation

I'm not answering as I don't have any idea (original is F)

QUESTION 2
You administer all the deployments of Microsoft SQL Server 2012 in your company.

You need to ensure that data changes are sent to a non-SQL Server database server in near real time.

You also need to ensure that data on the primary server is unaffected.
Which configuration should you use?

A. • SQL Server that includes an application database configured to perform transactional replication

B. • Two servers configured in different data centers
   • SQL Server Availability Group configured in Asynchronous-Commit Availability Mode

C. • Two servers configured in different data centers
   • SQL Server Availability Group configured in Synchronous-Commit Availability Mode
   • One server configured as an Active Secondary

D. • SQL Server that includes an application database configured to perform snapshot replication

E. • Two servers configured in the same data center
   • SQL Server Availability Group configured in Asynchronous-Commit Availability Mode
   • One server configured as an Active Secondary

F. • Two servers configured on the same subnet
   • SQL Server Availability Group configured in Synchronous-Commit Availability Mode

G. • Two servers configured in a Windows Failover Cluster in the same data center
   • SQL Server configured as a clustered instance

H. • Two servers configured in the same data center
   • A primary server configured to perform log-shipping every 10 minutes
   • A backup server configured as a warm standby

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Original Answer is A and I'll agree as it's the only one using Transactional Replication.

Must be to do with "You need to ensure that data changes are sent to a non-SQL Server database server in near real time."

QUESTION 3
You administer all the deployments of Microsoft SQL Server 2012 in your company.

A database contains a large product catalog that is updated periodically.

You need to be able to send the entire product catalog to all branch offices on a monthly basis.

Which configuration should you use?

A. • Two servers configured in the same data center
   • A primary server configured to perform log-shipping every 10 minutes
You administer a Microsoft SQL Server 2012 server that hosts a transactional database and a reporting database.

The transactional database is updated through a web application and is operational throughout the day.

The reporting database is only updated from the transactional database.

The recovery model and backup schedule are configured as shown in the following table:
One of the hard disk drives that stores the reporting database fails at 16:40 hours.

You need to ensure that the reporting database is restored.

You also need to ensure that data loss is minimal.

What should you do?

A. Restore the latest full backup. Then, restore each differential backup taken before the time of failure from the most recent full backup.

B. Perform a partial restore.

C. Restore the latest full backup, and restore the latest differential backup. Then, restore the latest log backup.

D. Perform a point-in-time restore.

E. Restore the latest full backup.

F. Perform a page restore.

G. Restore the latest full backup, and restore each log backup taken before the time of failure from the most recent differential backup.
H. Restore the latest full backup. Then, restore the latest differential backup.

Correct Answer: H
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
You administer a Microsoft SQL Server 2012 instance that has several SQL Server Agent jobs configured.

When SQL Server Agent jobs fail, the error messages returned by the job steps are truncated. The following error message is an example of the truncated error message:
"Executed as user CONTOSO\ServiceAccount. ...0.4035.00 for 64-bit Copyright (C) Microsoft Corp 1984-2011. All rights reserved. Started 63513 PM Error 2012-06-23 183536.87 Code 0XC001000E Source UserImport Description Code 0x00000000 Source Log Import Activity Descript... The package execution fa... The step failed."

You need to ensure that all the details of the job step failures are retained for SQL Server Agent jobs.

What should you do?

A. Expand agent logging to include information from all events.
B. Disable the Limit size of job history log feature.
C. Configure event forwarding.
D. Configure output files.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6

The development team develops a new application that uses the SQL Server 2012 functionality.

[Link: http://www.gratisexam.com/]

You are planning to migrate a database from SQL2005 to SQL2012 so that the development team can test their new application.

You need to migrate the database without affecting the production environment.

Which three actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)
You administer a Microsoft SQL Server 2012 server. When transaction logs grow, SQL Server must send an email message to the database administrators. You need to configure SQL Server to send the email messages. What should you configure?

A. SQL Mail  
B. An Extended Events session  
C. Alerts and operators in SQL Server Agent  
D. Policies under Policy-Based Management  

Correct Answer: C  

QUESTION 8
You are the lead database administrator (DBA) of a Microsoft SQL Server 2012 environment.

All DBAs are members of the DOMAIN\JrDBAs Active Directory group.

You grant DOMAIN\JrDBAs access to the SQL Server.

You need to create a server role named SpecialDBARole that can perform the following functions:
- View all databases.
- View the server state.
- Assign GRANT, DENY, and REVOKE permissions on logins.

You need to add DOMAIN\JrDBAs to the server role.

You also need to provide the least level of privileges necessary.

Which SQL statement or statements should you use? Choose all that apply.

A. CREATE SERVER ROLE [SpecialDBARole] AUTHORIZATION setupadmin;
B. ALTER SERVER ROLE [SpecialDBARole] ADD MEMBER [DOMAIN\JrDBAs];
C. CREATE SERVER ROLE [SpecialDBARole] AUTHORIZATION securityadmin;
D. GRANT VIEW DEFINITION TO [SpecialDBARole];
E. CREATE SERVER ROLE [SpecialDBARole] AUTHORIZATION serveradmin;
F. GRANT VIEW SERVER STATE, VIEW ANY DATABASE TO [SpecialDBARole];

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

QUESTION 9
You are migrating a database named Orders to a new server that runs Microsoft SQL Server 2012.

You attempt to add the [Corpnet\User1] login to the database. However, you receive the following error message:
"User already exists in current database."

You need to configure the [Corpnet\User1] login to be able to access the Orders database and retain the original permissions.

You need to achieve this goal by using the minimum required permissions. Which Transact-SQL statement should you use?

A. DROP USER [User1];
   CREATE USER [Corpnet\User1] FOR LOGIN [Corpnet\User1];
   ALTER ROLE [db_owner] ADD MEMBER [Corpnet\User1];
B. ALTER SERVER ROLE [sysadmin] ADD MEMBER [Corpnet\User1];
C. ALTER USER [Corpnet\User1] WITH LOGIN [Corpnet\User1];
D. ALTER ROLE [db_owner] ADD MEMBER [Corpnet\User1];

Correct Answer: C
Section: (none)
QUESTION 10
You administer a Microsoft SQL Server 2012 database.

You provide temporary securityadmin access to User1 to the database server.

You need to know if User1 adds logins to securityadmin. Which server-level audit action group should you use?

A. SERVER_STATE_CHANGE_GROUP
B. SERVER_PRINCIPAL_IMPERSONATION_GROUP
C. SUCCESSFUL_LOGIN_GROUP
D. SERVER_ROLE_MEMBER_CHANGE_GROUP

Correct Answer: D

Explanation/Reference:
Verified answer as correct.


SERVER_STATE_CHANGE_GROUP
This event is raised when the SQL Server service state is modified. Equivalent to the Audit Server Starts and Stops Event Class.

SERVER_PRINCIPAL_IMPERSONATION_GROUP
This event is raised when there is an impersonation within server scope, such as EXECUTE AS <login>. Equivalent to the Audit Server Principal Impersonation Event Class.

SUCCESSFUL_LOGIN_GROUP
Indicates that a principal has successfully logged in to SQL Server. Events in this class are raised by new connections or by connections that are reused from a connection pool. Equivalent to the Audit Login Event Class.

SERVER_ROLE_MEMBER_CHANGE_GROUP
This event is raised whenever a login is added or removed from a fixed server role. This event is raised for the sp_addsrvrolemember and sp_dropsrvrolemember stored procedures. Equivalent to the Audit Add Login to Server Role Event Class.

QUESTION 11
You administer a Microsoft SQL Server 2012 database.

You need to ensure that the size of the transaction log file does not exceed 2 GB.

What should you do?

A. Execute sp_configure 'max log size', 2G.

B. use the ALTER DATABASE...SET LOGFILE command along with the maxsize parameter.

C. In SQL Server Management Studio, right-click the instance and select Database Settings. Set the maximum size of the file for the transaction log.
D. In SQL Server Management Studio, right-click the database, select Properties, and then click Files. Open the Transaction log Autogrowth window and set the maximum size of the file.

Correct Answer: D  
Section: (none)  
Explanation

Explanation/Reference:  
Verified answer as correct.

QUESTION 12  
You administer a Microsoft SQL Server 2012 database. The database contains a Product table created by using the following definition:

```
CREATE TABLE dbo.Product
    (ProductID INT PRIMARY KEY,
     Name VARCHAR(50) NOT NULL,
     Color VARCHAR(15) NOT NULL,
     Size VARCHAR(5) NOT NULL,
     Style CHAR(2) NULL,
     Weight DECIMAL(8,2) NULL);
```

You need to ensure that the minimum amount of disk space is used to store the data in the Product table. What should you do?

A. Convert all indexes to Column Store indexes.  
B. Implement Unicode Compression.  
C. Implement row-level compression.  
D. Implement page-level compression.

Correct Answer: D  
Section: (none)  
Explanation

Explanation/Reference:  

QUESTION 13  
You administer a single server that contains a Microsoft SQL Server 2012 default instance.  

You plan to install a new application that requires the deployment of a database on the server.  

The application login requires sysadmin permissions.  

You need to ensure that the application login is unable to access other production databases. What should you do?

A. Use the SQL Server default instance and configure an affinity mask.  
B. Install a new named SQL Server instance on the server.  
C. Use the SQL Server default instance and enable Contained Databases.
D. Install a new default SQL Server instance on the server.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:
I would have gone with Contained Databases, but the application requires sysadmin permissions.

QUESTION 14
You administer a Microsoft SQL Server 2012 instance that contains a financial database hosted on a storage area network (SAN).

The financial database has the following characteristics:
- A data file of 2 terabytes is located on a dedicated LUN (drive D).
- A transaction log of 10 GB is located on a dedicated LUN (drive E).
- Drive D has 1 terabyte of free disk space.
- Drive E has 5 GB of free disk space.

The database is continually modified by users during business hours from Monday through Friday between 09:00 hours and 17:00 hours.

Five percent of the existing data is modified each day.

The Finance department loads large CSV files into a number of tables each business day at 11:15 hours and 15:15 hours by using the BCP or BULK INSERT commands.

Each data load adds 3 GB of data to the database.

These data load operations must occur in the minimum amount of time.

A full database backup is performed every Sunday at 10:00 hours.

Backup operations will be performed every two hours (11:00, 13:00, 15:00, and 17:00) during business hours.

On Wednesday at 10:00 hours, the development team requests you to refresh the database on a development server by using the most recent version.

You need to perform a full database backup that will be restored on the development server.

Which backup option should you use?

A. NORECOVERY
B. FULL
C. NO_CHECKSUM
D. CHECKSUM
E. Differential
F. 8ULK_LOGGED
G. STANDBY
H. RESTART
I. SKIP
J. Transaction log
K. DBO ONLY
L. COPY_ONLY
M. SIMPLE
N. CONTINUE AFTER ERROR

Correct Answer: L
Section: (none)
Explanation

Explanation/Reference:
Verified answer as correct.


QUESTION 15
You administer a Microsoft SQL Server 2012 instance that contains a financial database hosted on a storage area network (SAN).

The financial database has the following characteristics:
- A data file of 2 terabytes is located on a dedicated LUN (drive D).
- A transaction log of 10 GB is located on a dedicated LUN (drive E).
- Drive D has 1 terabyte of free disk space.
- Drive E has 5 GB of free disk space.

The database is continually modified by users during business hours from Monday through Friday between 09:00 hours and 17:00 hours.

Five percent of the existing data is modified each day.

The Finance department loads large CSV files into a number of tables each business day at 11:15 hours and 15:15 hours by using the BCP or BULK INSERT commands.

Each data load adds 3 GB of data to the database.

These data load operations must occur in the minimum amount of time.

A full database backup is performed every Sunday at 10:00 hours. Backup operations will be performed every two hours (11:00, 13:00, 15:00, and 17:00) during business hours.

You need to ensure that the backup size is as small as possible.

Which backup should you perform every two hours?

A. BULK_LOGGED
B. NO_CHECKSUM
C. FULL
D. RESTART
E. CHECKSUM
F. STANDBY
G. DBO.ONLY
H. NORECOVERY
I. SIMPLE
J. Transaction log
K. Differential
L. CONTINUE_AFTER_ERROR
M. COPY_ONLY
N. SKIP
QUESTION 16
You administer a Microsoft SQL Server 2012 instance named SQL2012 that hosts an OLTP database of 1 terabyte in size.

The database is modified by users only from Monday through Friday from 09:00 hours to 17:00 hours.

Users modify more than 30 percent of the data in the database during the week. Backups are performed as shown in the following schedule:

<table>
<thead>
<tr>
<th>Type</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full</td>
<td>Sunday at 20:00 hours</td>
</tr>
<tr>
<td>Differential</td>
<td>Monday through Friday at 20:00 hours</td>
</tr>
<tr>
<td>Log</td>
<td>Monday through Friday between 08:00 hours and 18:00 hours</td>
</tr>
</tbody>
</table>

The Finance department plans to execute a batch process every Saturday at 09:00 hours.

This batch process will take a maximum of 8 hours to complete.

The batch process will update three tables that are 10 GB in size.

The batch process will update these tables multiple times.

When the batch process completes, the Finance department runs a report to find out whether the batch process has completed correctly.

You need to ensure that if the Finance department disapproves the batch process, the batch operation can be rolled back in the minimum amount of time.

What should you do on Saturday?

A. Perform a differential backup at 08:59 hours.
B. Record the LSN of the transaction log at 08:59 hours. Perform a transaction log backup at 17:01 hours.
C. Create a database snapshot at 08:59 hours.
D. Record the LSN of the transaction log at 08:59 hours. Perform a transaction log backup at 08:59 hours.
E. Create a marked transaction in the transaction log at 08:59 hours. Perform a transaction log backup at 17:01 hours.
F. Create a marked transaction in the transaction log at 08:59 hours. Perform a transaction log backup at 08:59 hours.

Correct Answer: C
Section: (none)
Explanation
QUESTION 17
You administer a Microsoft SQL Server 2012 instance.

The instance contains a database that supports a retail sales application.

The application generates hundreds of transactions per second and is online 24 hours per day and 7 days per week.

You plan to define a backup strategy for the database.

You need to ensure that the following requirements are met:
- No more than 5 minutes worth of transactions are lost.
- Data can be recovered by using the minimum amount of administrative effort.

What should you do? Choose all that apply.

A. Configure the database to use the SIMPLE recovery model.
B. Create a DIFFERENTIAL database backup every 4 hours.
C. Create a LOG backup every 5 minutes.
D. Configure the database to use the FULL recovery model.
E. Create a FULL database backup every 24 hours.
F. Create a DIFFERENTIAL database backup every 24 hours.

Correct Answer: BCDE
Section: (none)
Explanation

QUESTION 18
You administer a Microsoft SQL Server 2012 database that contains a table named OrderDetail.

You discover that the NCI_OrderDetail_CustomerID non-clustered index is fragmented.

You need to reduce fragmentation.

You need to achieve this goal without taking the index offline.

Which Transact-SQL batch should you use?

A. CREATE INDEX NCI_OrderDetail_CustomerID ON OrderDetail.CustomerID WITH DROP EXISTING
B. ALTER INDEX NCI_OrderDetail_CustomerID ON OrderDetail.CustomerID REORGANIZE
C. ALTER INDEX ALL ON OrderDetail REBUILD
D. ALTER INDEX NCI_OrderDetail_CustomerID ON OrderDetail.CustomerID REBUILD

Correct Answer: B
Section: (none)
Explanation

QUESTION 19
You administer a Microsoft SQL Server database named Sales.

The database is 3 terabytes in size.

The Sales database is configured as shown in the following table.

<table>
<thead>
<tr>
<th>Filegroup</th>
<th>File</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY</td>
<td>• Sales.mdf</td>
</tr>
<tr>
<td>XACTIONS</td>
<td>• Sales_1.ndf</td>
</tr>
<tr>
<td></td>
<td>• Sales_2.ndf</td>
</tr>
<tr>
<td></td>
<td>• Sales_3.ndf</td>
</tr>
<tr>
<td>ARCHIVES</td>
<td>• SalesArch_1.ndf</td>
</tr>
<tr>
<td></td>
<td>• SalesArch_2.ndf</td>
</tr>
</tbody>
</table>

You discover that all files except Sales_2.ndf are corrupt. You need to recover the corrupted data in the minimum amount of time. What should you do?

A. Perform a restore from a full backup.
B. Perform a transaction log restore.
C. Perform a file restore.
D. Perform a filegroup restore.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
You administer a Microsoft SQL Server database.

You want to import data from a text file to the database.

You need to ensure that the following requirements are met:

- Data import is performed by using a stored procedure.
- Data is loaded as a unit and is minimally logged.

Which data import command and recovery model should you choose? (To answer, drag the appropriate data import command or recovery model to the appropriate location or locations in the answer area. Each data import command or recovery model may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Select and Place:
You administer a Microsoft SQL Server 2012 database.

The database is backed up according to the following schedule:
- Daily full backup at 23:00 hours.
- Differential backups on the hour, except at 23:00 hours.
- Log backups every 10 minutes from the hour, except on the hour.

The database uses the Full recovery model.

A developer accidentally drops a number of tables and stored procedures from the database between 22:40 hours and 23:10 hours.

You perform a database restore at 23:30 hours to recover the dropped table.

You need to restore the database by using the minimum amount of administrative effort.

You also need to ensure minimal data loss.
Which three actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

**Build List and Reorder:**

<table>
<thead>
<tr>
<th>Ordered List Title</th>
<th>Answer Choices Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Restore the most recent full backup.</td>
</tr>
<tr>
<td></td>
<td>Restore the full backup taken the previous night.</td>
</tr>
<tr>
<td></td>
<td>Restore the differential backup taken at 22:00 hours.</td>
</tr>
<tr>
<td></td>
<td>Restore the transaction log backup taken at 22:40 hours.</td>
</tr>
<tr>
<td></td>
<td>Restore each transaction log backup taken from 22:00 till 22:40 hours.</td>
</tr>
<tr>
<td></td>
<td>Restore each transaction log backup taken from the most recent full backup.</td>
</tr>
<tr>
<td></td>
<td>Restore each differential database backup taken from the previous night’s full backup.</td>
</tr>
<tr>
<td></td>
<td>Restore each transaction log backup taken from the previous night’s full backup till 22:40 hours.</td>
</tr>
</tbody>
</table>

**Correct Answer:**

- Restore the full backup taken the previous night.
- Restore the differential backup taken at 22:00 hours.
- Restore each transaction log backup taken from 22:00 till 22:40 hours.

**Section:** (none)

**Explanation/Reference:**

**QUESTION 22**

You administer a Microsoft SQL Server 2012 database named Contoso on a server named Server01.

You need to be notified immediately when fatal errors occur on Server01.

What should you create?

A. an Alert
B. a Server Audit Specification
C. an Extended Event session
D. a Resource Pool
QUESTION 23
You administer a Microsoft SQL Server 2012 database named Contoso on a server named Server01.

You need to prevent users from disabling server audits in Server01.

What should you create?

A. an Alert
B. a Resource Pool
C. an Extended Event session
D. a Database Audit Specification
E. a SQL Profiler Trace
F. a Server Audit Specification
G. a Policy

Correct Answer: G
Section: (none)
Explanation

QUESTION 24
You administer a Microsoft SQL Server 2012 server that has a database named Contoso.

The Contoso database has a table named ProductPrices in a schema named Sales.

You need to create a script that writes audit events into the application log whenever data in the ProductPrices table is updated.

Which four Transact-SQL statements should you use? (To answer, move the appropriate statements from the list of statements to the answer area and arrange them in the correct order.)

Build List and Reorder:
Correct Answer:

USE Master
CREATE SERVER AUDIT C_Audit
TO APPLICATION_LOG

ALTER SERVER AUDIT C_Audit
WITH (STATE = ON)

USE Contoso
CREATE DATABASE AUDIT SPECIFICATION C_AuditSpec
FOR SERVER AUDIT C_Audit
ADD (UPDATE ON Sales.ProductPrices BY dbo)

ALTER DATABASE AUDIT SPECIFICATION C_AuditSpec
WITH (STATE=ON)
QUESTION 25
You administer a Microsoft SQL Server 2012.

A process that normally runs in less than 10 seconds has been running for more than an hour.

You examine the application log and discover that the process is using session ID 60.

You need to find out whether the process is being blocked. Which Transact-SQL statement should you use?

A. EXEC sp_who 60  
B. SELECT * FROM sys.dm_exec_sessions WHERE sessionid = 60  
C. EXEC sp_helpdb 60  
D. DBCC INPUTBUFFER (60)

Correct Answer: A

QUESTION 26
You create an availability group that has replicas named HA/Server01 and HA/Server02. Currently, HA/Server01 is the primary replica.

You have multiple queries that read data and produce reports from the database.

You need to offload the reporting workload to the secondary replica when HA/Server01 is the primary replica.

What should you do?

A. Set the Availability Mode property of HA/Server02 to Asynchronous commit.  
B. Set the Readable Secondary property of HA/Server02 to Read-intent only.  
C. Set the Connections in Primary Role property of HA/Server01 to Allow read/write connections.  
D. Set the Availability Mode property of HA/Server01 to Asynchronous commit.

Correct Answer: B

QUESTION 27
You administer two Microsoft SQL Server 2012 servers.
Each server resides in a different, untrusted domain.

You plan to configure database mirroring.

You need to be able to create database mirroring endpoints on both servers.

What should you do?

A. Configure the SQL Server service account to use Network Service.
B. Use a server certificate.
C. Use a database certificate.
D. Configure the SQL Server service account to use Local System.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
You administer a Microsoft SQL Server database.

Service accounts for SQL Agent are configured to use a local user.

A Microsoft SQL Server Integration Services (SSIS) job step has been created within a SQL Server Agent job.

The SSIS package accesses a network share when exporting data from a SQL Server database.

When you execute the SQL Server Agent job, it fails due to a permissions failure on a share on a remote server.

You need to ensure that the SQL Server Agent job can execute the SSIS package.

Which four actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

Build List and Reorder:
QUESTION 29
You administer a Microsoft SQL Server 2012 instance. You need to configure a new database to support FILETABLES. What should you do? Choose all that apply.

A. Disable FILESTREAM on the Database.
B. Enable FILESTREAM on the Server Instance.
C. Configure the Database for Partial Containment.
D. Create a non-empty FILESTREAM file group.
E. Enable Contained Databases on the Server Instance.
F. Set the FILESTREAM directory name on the Database.

Correct Answer: BDF
QUESTION 30
You administer a Microsoft SQL Server 2012 database. You configure Transparent Data Encryption (TDE) on the Orders database by using the following statements:

```
CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'MyPassword1!'
CREATE CERTIFICATE TDE_Certificate WITH SUBJECT = 'TDE Certificate';
BACKUP CERTIFICATE TDE_Certificate TO FILE = 'd:\TDE_Certificate.cer'
WITH PRIVATE KEY (FILE = 'D:\TDE_Certificate.key', ENCRYPTION BY PASSWORD = 'MyPassword1!');
CREATE DATABASE ENCRYPTION KEY
WITH ALGORITHM = AES_256
ENCRYPTION BY SERVER CERTIFICATE TDE_Certificate;
ALTER DATABASE Orders SET ENCRYPTION ON;
```

You attempt to restore the Orders database and the restore fails. You copy the encryption file to the original location. A hardware failure occurs and so a new server must be installed and configured. After installing SQL Server to the new server, you restore the Orders database and copy the encryption files to their original location. However, you are unable to access the database. You need to be able to restore the database. Which Transact-SQL statement should you use before attempting the restore?

A. ALTER DATABASE Master SET ENCRYPTION OFF;
B. CREATE CERTIFICATE TDE_Certificate FROM FILE = 'd:\TDE_Certificate.cer'
   WITH PRIVATE KEY (FILE = 'D:\TDE_Certificate.key', DECRYPTION BY PASSWORD = 'MyPassword1!');
C. CREATE CERTIFICATE TDE_Certificate WITH SUBJECT = 'TDE Certificate';
   USE Orders;
   CREATE DATABASE ENCRYPTION KEY
   WITH ALGORITHM = AES_256
   ENCRYPTION BY SERVER CERTIFICATE TDE_Certificate;
D. CREATE CERTIFICATE TDE_Certificate FROM FILE = 'd:\TDE_Certificate.cer';

Correct Answer: B

QUESTION 31
You administer a SQL Server 2012 server that contains a database named SalesDb. SalesDb contains a schema named Customers that has a table named Regions. A user named UserA is a member of a role named Sales. UserA is granted the Select permission on the Regions table. The Sales role is granted the Select permission on the Customers schema.
You need to ensure that the Sales role, including UserA, is disallowed to select from any of the tables in the Customers schema.

Which Transact-SQL statement should you use?

A. REVOKE SELECT ON Schema::Customers FROM UserA
B. DENY SELECT ON Object::Regions FROM UserA
C. EXEC sp_addrolemember 'Sales', 'UserA'
D. DENY SELECT ON Object::Regions FROM Sales
E. REVOKE SELECT ON Object::Regions FROM UserA
F. DENY SELECT ON Schema::Customers FROM Sales
G. DENY SELECT ON Schema::Customers FROM UserA
H. EXEC sp_droprolemember 'Sales', 'UserA'
I. REVOKE SELECT ON Object::Regions FROM Sales
J. REVOKE SELECT ON Schema::Customers FROM Sales

Correct Answer: F

Section: (none)

Explanation

Explanation/Reference:
References:

QUESTION 32
You administer a SQL 2012 server that contains a database named SalesDb.

SalesDb contains a schema named Customers that has a table named Regions.

A user named UserA is a member of a role named Sales.

UserA is granted the Select permission on the Regions table.

The Sales role is granted the Select permission on the Customers schema.

You need to remove the Select permission for UserA on the Regions table.

You also need to ensure that UserA can still access all the tables in the Customers schema, including the Regions table, through the Sales role permissions.

Which Transact-SQL statement should you use?

A. DENY SELECT ON Object::Regions FROM UserA
B. DENY SELECT ON Schema::Customers FROM UserA
C. EXEC sp_addrolemember 'Sales', 'UserA'
D. REVOKE SELECT ON Object::Regions FROM UserA
E. REVOKE SELECT ON Object::Regions FROM Sales
F. EXEC sp_droprolemember 'Sales', 'UserA'
G. REVOKE SELECT ON Schema::Customers FROM UserA
H. DENY SELECT ON Object::Regions FROM Sales
I. DENY SELECT ON Schema::Customers FROM Sales
J. REVOKE SELECT ON Schema::Customers FROM Sales
QUESTION 33
You administer a SQL Server 2012 server that contains a database named SalesDb.

SalesDb contains a schema named Customers that has a table named Regions.

A user named UserA is a member of a role named Sales.

UserA is granted the Select permission on the Regions table and the Sales role is granted the Select permission on the Customers schema.

You need to ensure that the Sales role, including UserA, is disallowed to select from the Regions table.

Which Transact-SQL statement should you use?

A. `REVOKE SELECT ON Schema::Customers FROM UserA`
B. `REVOKE SELECT ON Object::Regions FROM UserA`
C. `EXEC sp_addrolemember 'Sales', 'UserA'`
D. `DENY SELECT ON Schema::Customers FROM Sales`
E. `EXEC sp_droprolemember 'Sales', 'UserA'`
F. `REVOKE SELECT ON Schema::Customers FROM Sales`
G. `DENY SELECT ON Object::Regions FROM UserA`
H. `REVOKE SELECT ON Object::Regions FROM Sales`
I. `DENY SELECT ON Schema::Customers FROM UserA`
J. `DENY SELECT ON Object::Regions FROM Sales`

Correct Answer: J

QUESTION 34
You administer a Microsoft SQL Server 2012 database.

The database contains a customer table created by using the following definition:
You need to ensure that the minimum amount of disk space is used to store the data in the customer table.

What should you do?

A. Implement row-level compression.
B. Implement page-level compression.
C. Convert all indexes to Column Store indexes.
D. Implement Unicode compression.

Correct Answer: B

QUESTION 35
You administer a Microsoft SQL Server 2012 default instance.

The instance is hosted by a server that has a local firewall configured.

The firewall only allows inbound connections on port 1433.

The server only hosts a single instance of SQL Server.

You need to ensure that the instance is configured to allow remote connections even if the SQL Server is unresponsive to client connections. What should you do? Choose all that apply.

A. Enable inbound connections on TCP port 1434 in the Windows Firewall on the server.
B. Execute the following Transact-SQL command:
   ```sql
   sp_configure 'remote admin connections',
   ```
C. Execute the Reconfigure command.
D. Execute the following Transact-SQL command:
   ```sql
   sp_configure 'remote access', 1
   ```
E. Restart the SQL Server Agent Service.
F. Enable inbound connections on TCP port 135 in the Windows Firewall on the server.

Correct Answer: ABC

QUESTION 36
You administer a Microsoft SQL Server 2012 clustered instance that has two nodes named Node 1 and Node 2.

Node 1 fails and the cluster fails over to Node 2.

You need to replace Node 1 and add it to the cluster.

Which four actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

Build List and Reorder:

Ordered List Title

Answer Choices Title

Evict Node 1 from the Windows Failover Cluster.
Install Windows on a new server to replace Node 1.
Run SQL Server Setup to add Node 1 to the failover cluster.
Run Cluster Administrator Setup to add Node 1 to the failover cluster.
Add Node 1 to the existing cluster by using SQL Server Configuration Manager.
Add Node 1 to the existing cluster by using the Windows Failover Cluster Manager.
Register the secondary instance with the Cluster Manager by using SQL Server Management Studio.

Correct Answer:

Evict Node 1 from the Windows Failover Cluster.
Install Windows on a new server to replace Node 1.
Add Node 1 to the existing cluster by using the Windows Failover Cluster Manager.
Run SQL Server Setup to add Node 1 to the failover cluster.

Section: (none)

Explanation/Reference:

QUESTION 37
You are a database administrator of a Microsoft SQL Server 2012 environment. The environment contains two servers named SQLServer01 and SQLServer02. The database Contoso exists on SQLServer01. You plan to mirror the Contoso database between SQLServer01 and SQLServer02 by using database mirroring. You need to prepare the Contoso database for database mirroring. Which three actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the
Build List and Reorder:

Ordered List Title

Answer Choices Title

Backup Contoso on SQLServer01 by using a full backup.
Backup Contoso on SQLServer01 by using a full backup followed by a transaction log backup by using the NORECOVERY option.
Backup Contoso on SQLServer01 by using a transaction log backup. Restore the transaction log backup by using the RECOVERY option on SQLServer02.
Backup Contoso on SQLServer01 by using a transaction log backup. Restore the transaction log backup by using the NORECOVERY option on SQLServer02.
Restore the full database backup of Contoso by using the NORECOVERY option on SQLServer02 as Contoso.
Restore the full database backup of Contoso by using the NORECOVERY option on SQLServer02 as Contoso_Mirror.

Correct Answer:

Backup Contoso on SQLServer01 by using a full backup.
Restore the full database backup of Contoso by using the NORECOVERY option on SQLServer02 as Contoso.
Backup Contoso on SQLServer01 by using a transaction log backup. Restore the transaction log backup by using the NORECOVERY option on SQLServer02.

Section: (none)
Explanation

Explanation/Reference:
According to these references, this answer looks correct.

References:

QUESTION 38
You administer a Microsoft SQL Server database named Sales. The database is 3 terabytes in size. The Sales database is configured as shown in the following table:

<table>
<thead>
<tr>
<th>Filegroup</th>
<th>File</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY</td>
<td>Sales.mdf</td>
</tr>
<tr>
<td>XACTIONS</td>
<td>Sales_1.nfd</td>
</tr>
<tr>
<td></td>
<td>Sales_2.nfd</td>
</tr>
<tr>
<td></td>
<td>Sales_3.nfd</td>
</tr>
<tr>
<td>ARCHIVES</td>
<td>SalesArch_1.nfd</td>
</tr>
<tr>
<td></td>
<td>SalesArch_2.nfd</td>
</tr>
</tbody>
</table>

You discover that Sales_2.nfd is corrupt. You need to recover the corrupted data in the minimum amount of time. What should you do?

A. Perform a file restore.
B. Perform a transaction log restore.
C. Perform a restore from a full backup.
D. Perform a filegroup restore.

Correct Answer: A

Explanation:

According to these references, this answer looks correct.


Under the simple recovery model, the file must belong to a read-only filegroup.
Under the full or bulk-logged recovery model, before you can restore files, you must back up the active transaction log (known as the tail of the log). For more information, see Back Up a Transaction Log (SQL Server).
To restore a database that is encrypted, you must have access to the certificate or asymmetric key that was used to encrypt the database. Without the certificate or asymmetric key, the database cannot be restored. As a result, the certificate that is used to encrypt the database encryption key must be retained as long as the backup is needed. For more information, see SQL Server Certificates and Asymmetric Keys.

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