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**Vendor:** Oracle

**Exam Code:** 1Z0-058

**Exam Name:** Oracle Real Application Clusters 11g  
Release 2 and Grid Infrastructure Administration

**Version:** Demo

**QUESTION 1**

Which three actions would be helpful in determining the cause of a node reboot?

- A. determining the time of the node reboot by using the uptime command and subtracting the up time from the current system time
- B. looking for messages such as "Oracle CSSD failure. Rebooting for cluster integrity" in /var/log/messages
- C. using the crsctl command to view tracing information
- D. inspecting the ocssd log for "Begin Dump" or "End Dump" messages
- E. inspecting the database alert log for reboot messages

**Correct Answer: ABD**

**QUESTION 2**

After Oracle Grid Infrastructure has been installed, you should take a few moments to verify the installation. Which two actions would be useful in verifying the installation?

- A. Run the crsctl status resource -t command to confirm that all necessary cluster resources are online.
- B. Use the operating system utilities to verify that your SCAN addresses are being properly resolved.
- C. Start Oracle Enterprise Manager and check all monitored targets.
- D. Run the cluvfy comp nodecon -n all -verbose command to verify the entire Grid Infrastructure installation.

**Correct Answer: AB**

**QUESTION 3**

Which two network addresses are required to be static, non-dhcp addresses when using the Grid Naming?

- A. GNS VIP Address
- B. SCAN VIP Address
- C. Node VIP Address
- D. Node Public Address
- E. Node Private Address

**Correct Answer: AD**

**QUESTION 4**

You are in the planning stages for upgrading your Oracle RAC database from Oracle Database 10g Release 2 to Oracle Database 11g Release 2 to run under the Oracle Grid Infrastructure. You decide to use an administrator-managed configuration because the cluster is fairly small. Which statement is correct about this configuration?

- A. A parent pool of the GENERIC server pool will be used.
- B. You must define a new server pool called MANUAL.
- C. A subpool of the GENERIC server pool will be used.
- D. A subpool of the FREE server pool will be used.

**Correct Answer: C**

**QUESTION 5**

The Instance Initialization parameters are set to:

```
DB_CREATE_FILE_DEST = +DATA
DB_CREATE_ONLINE_LOG_DEST_1 = +LOGS
DB_CREATE_ONLINE_LOG_DEST_2 = + FRA
```

The SQL\* Plus command "ALTER DATABASE ADD LOGFILE;" will create:

- A. a new log file in the +DATA disk group, or a log file in the + FRA disk group, if +DATA is not available
- B. a new log file in the +DATA disk group and a log file in the + FRA disk group
- C. a new log file in the +LOGS disk group and a log file in the + FRA disk group
- D. a new log file in the +LOGS disk group, or a log file in the +FRA disk group, if +LOGS is not available
- E. a new log file in the +DATA disk group, a log file in the +LOGS disk group, and a log file in the +FRA disk group
- F. a new log file in the +LOGS disk group, or a log file in the +FRA disk group, if +LOGS is not available

**Correct Answer: C**

**QUESTION 6**

Which three statements define a cluster?

- A. is a group of independent, but interconnected computers that act as a single system
- B. can be deployed to increase availability and performance
- C. can be deployed to balance a dynamically changing workload
- D. should appear to an application as multiple servers

**Correct Answer: ABC**

### QUESTION 7

You want to create an ACFS on an ADVN volume using a shell script and the appropriate command-line utilities. These are the requirements:

1. The dynamic volume file must use space in the VOLFILE disk group with a size of 500 M and be called prodvol.
2. The mount point called /acfs already exists.

Which four steps must be performed to achieve this?

- A. As the Grid Infrastructure owner, run `mount -t acfs /dev/asm/prodvol-417 /acfs` to mount the file system.
- B. As the Grid Infrastructure owner, run `asmcmd volinfo -d volfile prodvol` to determine the volume information.
- C. As the Grid Infrastructure owner, run `asmcmd volcreate -d volfile -s 500M prodvol` to create the volume file.
- D. As the Grid Infrastructure owner, run `mkfs -t acfs /dev/asm/prodvol-417` to create the file system.
- E. As root, run `mount -t acfs /dev/asm/prodvol-417 /acfs` to mount the file system.
- F. As root, run `mkfs -t acfs /dev/asm/prodvol-417` to create the file system.

**Correct Answer: BCEF**

### QUESTION 8

Some new non-ASM shared storage has been made available by the storage administrator, and the Oracle Grid Infrastructure administrator decides to move the voting disks, which do not reside in ASM, to this new non-ASM location. How can this be done?

- A. by running `crsctl add css votedisk <path_to_new_location>` followed by `crsctl delete css -votedisk <path_to_old_location>`
- B. by running `crsctl replace css votedisk <path_to_old_location,path_to_new_location>`
- C. by running `srvctl replace css votedisk <path_to_old_location, path_to_new_location>`
- D. by running `srvctl add css votedisk <path_to_new_location>` followed by `srvctl delete css votedisk <path_to_old_location>`

**Correct Answer: A**

**QUESTION 9**

Which three statements are true about using RMAN with ASM?

- A. RMAN is the only supported method to back up database files stored in ASM.
- B. RMAN is the only supported method to back up ACFS files.
- C. RMAN can use ASM storage for backups.
- D. RMAN cannot use ASM storage for backups.
- E. Using RMAN, database files can be migrated to ASM from a file system.
- F. Using RMAN, database files cannot be moved from ASM to a file system.

**Correct Answer: ACE**

**QUESTION 10**

Which two statements are true about ACFS snapshots?

- A. They can be created for ACFS file systems only if the ASM disk group hosting the ADVM volume file used by the file system has free space available.
- B. They can be created for ACFS file systems only if the ADVM volume file used by the file system has free space available.
- C. They can be created only if the ASM disk group hosting the ADVM volume used by the file system has no other ASM files contained in the disk group.
- D. They can be created when ACFS is used both on clusters and on stand-alone servers.
- E. They are accessible only on the cluster node that was used when creating the snapshot.

**Correct Answer: BD**

**QUESTION 11**

Your cluster is subject to a service-level agreement that allows for little scheduled down time.

You

want to use patching and maintenance methods that permit the Oracle Grid Infrastructure and Oracle RAC Databases to be available as much as possible. Which two techniques will work some or all of the time to provide you with minimum down time?

- A. rolling upgradeable and in place patch sets
- B. idling upgradeable and out of place patch bundles
- C. rolling upgradeable and out of place patch sets
- D. rolling upgradeable and in place patch bundles
- E. rolling upgradeable and out of place one-off patches

**Correct Answer: CD**

**QUESTION 12**

Which two types of files can be stored in an ASM clustered file system?

- A. OCR and Voting Disk files
- B. data files for external tables
- C. Oracle database executable
- D. Grid Infrastructure executables
- E. data files for tablespaces
- F. archive log files

**Correct Answer: BC**

**QUESTION 13**

You want to reorganize the DATA diskgroup while continuing database operations. The DATA diskgroup was created using normal redundancy having one disk per failure group. The two disks used are /dev/sda1 and /dev/sda2. You plan to drop the existing disks and add the /dev/sdb1 and /dev/sdb2 disks to failure group FG\_C and the /dev/sdc1 and /dev/sdc2 disks to failure group FG\_D. Which procedure would you use to minimize the effect of the I/Os of this reorganization on ongoing database operations?

- A. Set rebalance power to 0 for diskgroup DATA.  
Add failure group FG\_C with all the /dev/sdb disks.  
Add failure group FG\_D with all the /dev/sdc disks.  
Drop disks /dev/sda1 and /dev/sda2.  
Set rebalance power to 1 for diskgroup DATA.
- B. Set rebalance power to 0 for diskgroup DATA.  
Add failure group FG\_C with all the /dev/sdb disks.  
Add failure group FG\_D with all the /dev/sdb disks.  
Drop disks /dev/sda1 and /dev/sda2.  
Set rebalance power to 9 for diskgroup DATA.
- C. Set rebalance power to 9 for diskgroup DATA.  
Add failure group FG\_C with all the /dev/sdb disks.  
Add failure group FG\_D with all the /dev/sdc disks.  
Drop disks /dev/sda1 and /dev/sda2.  
Set rebalance power to 0 for diskgroup DATA.
- D. Set rebalance power to 0 for diskgroup DATA  
Drop disks /dev/sda1 and /dev/sdb disks.

Add failure group FG\_C with all the /dev/sdb disks.

Add failure group FG\_D with all the /dev/sdc disks

Set rebalance power to 1 for diskgroup DATA.

**Correct Answer: A**

#### QUESTION 14

Which two Cluster ware stack administration actions must be performed as the root user?

- A. checking the health of the Clusterware on one node
- B. starting the Clusterware manually on one node
- C. disabling the Clusterware from automatic start at node reboot
- D. checking the health and viability of the Clusterware on all nodes
- E. listing the location of the voting disks

**Correct Answer: BC**

#### QUESTION 15

Which four statements are true about ADVN interoperability?

- A. Using fdisk or similar disk utilities to partition ADVN-managed volumes is not supported.
- B. On Linux platforms, the raw utility can be used to map ADVN volume block devices to raw volume devices.
- C. The creation of multipath devices over ADVN devices is not supported.
- D. You may create ASMLIB devices over ADVN devices to simplify volume management.
- E. ADVN does not support ASM storage contained in Exadata.
- F. F. ADVN volumes cannot be used as a boot device or a root file system.

**Correct Answer: ACEF**

#### QUESTION 16

Your four-node cluster was originally purchased, installed, and configured three years ago. You recently added another four nodes to the cluster. Now you want to remove two of the older nodes that are still accessible to be redeployed elsewhere in the data center. Which two are true regarding the procedure for removing one or more cluster nodes?

- A. The procedure requires that all commands be invoked from one of the surviving cluster nodes.
- B. All commands are run as root regardless of which nodes are used to invoke them.
- C. The procedure requires that some commands be invoked on the node or nodes to be removed and that some be invoked from all surviving cluster nodes.
- D. The procedure requires that some commands be invoked on the node or nodes to be

removed and that some be invoked from one surviving cluster node.

- E. Some commands require that the name of the node or nodes to be removed are passed as arguments, and some commands require the name of existing nodes to be passed.

**Correct Answer: DE**

#### QUESTION 17

Your production environment cluster is running Oracle Enterprise Linux and currently has four nodes. You are asked to plan for extending the cluster to six nodes. Which three methods are available to add the new nodes?

- A. silent cloning using `crsctl clone cluster` and `ssh`
- B. a GUI interface from Enterprise Manager
- C. with the Oracle Universal Installer using `runInstaller -clone <nodename>`
- D. silent cloning using `perl clone.pl-silent` either with parameters in a file or in line
- E. using `addNode.sh`

**Correct Answer: BDE**

#### QUESTION 18

The Oracle 11g Release 2 (version 11.2.0.1) ASM instance has a new diskgroup named DATA that is currently not mounted. You log in to a cluster node as the Grid Infrastructure software owner and set the environment variables to point to the ASM instance on that node. Using SQL\*Plus, you issue the commands:

```
CONNECT / AS SYSDBA
ALTER DISKGROUP DATA MOUNT;
```

The system response is:

```
ERROR at line 1:
ORA-15032: not all alterations performed
ORA-15260: permission denied on ASM disk group
```

How do you diagnose this error?

- A. Check `v$asm_operation` for operations halted by the error.
- B. Check `v$asm_attributes` to determine the `asm.compatible` setting.
- C. Check `v$asm_usergroup` to determine the owning user group for this diskgroup.
- D. Check `v$xs_session_role` to determine the role privileges of the current user.
- E. Check the connect string for the privileged role.

**Correct Answer: E**



**QUESTION 19**

You enter the following command:

```
crsctl status resource MyApp
```

You get this output:

```
NAME=MyApp
```

```
TYPE=cluster_resource TARGET=ONLINE STATE=ONLINE on RACNODE4
```

MyApp is a policy-managed resource using a server pool with two nodes called RACNODE3 and RACNODE4 and has a cardinality of 1.

What are the meanings of the target and state status values?

- A. MyApp is currently active on RACNODE4 and is meant to be active only on RACNODE4.
- B. MyApp is meant to be active, is currently active on RACNODE4, but the Grid Infrastructure may start MyApp on RACNODE3 due to failovers.
- C. MyApp is active on RACNODE4 and was manually started.
- D. MyApp should also be online on RACNODE3 because it is a cluster\_resources type that must be active on at least two nodes in the cluster, thereby overriding the CARDINALITY attribute.

**Correct Answer: B**

**QUESTION 20**

After evaluating the various methods for extending a cluster, you decide to use addNode.sh. The cluster originally consisted of four nodes: RACNODE1, RACNODE2, RACNODE3, and RACNODE4. Now two nodes called RACNODE5 and RACNODE6 have been installed and connected to the cluster by OS administrations. Which three actions should be performed to check whether the new nodes are ready for running addNode.sh and to help correct any problems?

- A. `cluvfy stage -pre crsinst -n RACNODE5/ RACNODE6 -C + DATA -q +VOTE -orainv`
- B. `<oinstall group> -fixup -verbose`
- C. `cluvfy stage -post hwos -n RACNODE5, RACNODE6 -verbose`
- D. `cluvfy comp peer -refnode RACNODE1 -n RACNODE5, RACNODE6 -orainv <oinstall group> -osdba <asmdba group> -verbose`
- E. `cluvfy stage -post hwos -n all -verbose`
- F. `cluvfy stage -pre nodeadd -n RACNODE5, RACNODE6 -fixup`
- G. `cluvfy comp peer -refnode RACNODE5 -n RACNODE6 -orainv <oinstall group> -osdba <asmdba group> -verbose`

**Correct Answer: CDF**

**QUESTION 21**

What are the default connect strings used by SQL\*Plus and ASMCMD when connecting to ASM instances?

- A. operating system authentication for ASMCMD;  
none for SQL\*Plus
- B. "/ AS SYSASM" for ASMCMD;  
"/" for SQL\*Plus
- C. "SYS/ AS SYSASM" for ASMCMD;  
"/ AS SYSDBA" for SQL\*Plus
- D. operating system authentication for ASMCMD;  
operating system authentication for SQL\*Plus
- E. "/ AS SYSASM" for ASMCMD;  
operating system authentication for SQL\*Plus

**Correct Answer: E**

**QUESTION 22**

You want to install a database patch on your eight-node cluster by using Opatch with the minimum amount of down time to your cluster nodes. You have already been prompted for the first set of nodes and you replied with node names RACNODE1 RACNODE2, and RACNODE3. Which two statements are true about the procedure for minimizing down time?

- A. The patch must be propagated to, applied, and the inventory updated on all the remaining nodes before restarting the instances on the first set of nodes.
- B. When the first set of nodes has been patched, the instances on the remaining nodes are shut down automatically by opatch.
- C. The instances must be started on the first set of nodes and then stopped on the remaining set to make certain that some nodes are always available.
- D. When the first set of nodes has been patched, the administrator is prompted to shut down the instances on the remaining nodes.
- E. The patch must be propagated to and the inventory updated on all the remaining nodes before restarting the instances on the first set of nodes.

**Correct Answer: DE**

**QUESTION 23**

You are ready to add two new nodes called RACNODE5 and RACNODE6 to your existing four-node

cluster using addNode.sh. You have run cluvfy -peer to check the new nodes against a reference node. When you originally created the cluster, the network administrators chose to statically define the scan vip addresses in the corporate DNS server, and you installed the Oracle Grid Infrastructure without using GNS. What is the correct way to silently add the nodes?

- A. addNode . sh -silent "CLUSTER\_NEW\_nodes={ RACNODE5, RACNODE6 } > "
- B. addNode . sh -silent "CLUSTER\_NEW\_VIRTUAL\_HOSTNAMES=<(RACNODE5 -VI P, RACNODE6-VIP) "
- C. addNode. sh -silent "CLUSTER\_NEW\_NODES= { RACNODE5, RACNODE6 } " "CLUSTER\_NEW\_VIRTUAL\_HOSTNAMES= RACNODE5-VIP, RACNODE6-VI P > "
- D. addNode.sh -silent -responseFile mynewnodea . txt With the response file containing only
- E. CLUSTER\_NEW\_NODES= {"RACNODE5, RACNODE6"}
- F. addNode.sh -silent -responseFile mynewnodes . txt With the response file containing only CLUSTER NEW VIRTUAL HOSTNAMES= { " RACNODE5-VI P , RACNODE6 -VI P >

**Correct Answer: C**

**QUESTION 24**

Which four statements about mounting ASM cluster file systems are true?

- A. An ACFS volume can be mounted by using ASMCA.
- B. The standard Linux/UNIX mount command can be used to mount an ACFS volume, provided the ACFS type is specified; (mount -t acfs).
- C. ACFS volumes can be mounted by using the ASMCMD utility.
- D. The acfsmountvol command can be used to mount ACFS volumes on Windows platforms.
- E. Oracle Enterprise Manager can be used to mount ACFS volumes.

**Correct Answer: ABDE**

**QUESTION 25**

You are allocating space from the ASM disk group for an ADVN volume. What will be the volume extent and Volume Allocation Unit (VAU) if the stripe column is 4 and AU is 1 MB? Which are the default values?

- A. The volume extent is 64 MB and the VAU will be 512 MB.
- B. The volume extent is 64 MB and the VAU will be 256 MB.

- C. The volume extent is 32 MB and the VAU will be 256 MB.
- D. It is not possible to calculate these values with the given information.

**Correct Answer: B**

#### **QUESTION 26**

You are creating a resource definition called WEBAPP for a web-based application that requires an application called WEBVIP. Both WEBVIP and WEBAPP are normally active on a single node, but may fail over if required to another cluster node in your eight-node cluster. A second VIP application resource called appsvip exists, used by a second application resource called secapp. webvip and webapp must start in the correct sequence. Which two start dependencies would you use for the WEBAPP application resource definition?

- A. hard(SECAPP)
- B. pullup(SECAPP)
- C. pullup (WEBVIP)
- D. hard(WEBVIP)
- E. dispersion(WEBVIP)
- F. weak (WEBVIP)

**Correct Answer: CD**

#### **QUESTION 27**

The database administrator is tasked with creating an ASM disk group. Exadata is not being used. If failure groups are not specified when creating an ASM disk group containing 10 disks, how many failure groups are automatically created?

- A. one
- B. two
- C. five
- D. ten

**Correct Answer: D**

#### **QUESTION 28**

The Oracle Grid Infrastructure administrator runs ocrconfig -backupioc <new\_location> after completing the installation of the Grid Infrastructure. What are the two reasons for doing this?

- A. The master node may change if the node running the master CRS daemon shuts down causing another node to become the master. Because the default location is a nonshared storage, and only the master node performs backups, the backups could be spread around on many nodes making management or recovery more difficult.
- B. The cluster node currently acting as the master node for CRS is the only node that backs up

the OCR to the default location, and by changing the location, all cluster nodes will then take backups.

- C. This is done to move the backup location into an ASM Cluster File System directory so that the backups benefit from ASM striping and mirroring.
- D. If for any reason CRS must be stopped on all nodes for a time spanning a scheduled backup, then on restart, the backup timer will be reset. This could result in longer time duration between automatic backups than the standard four-hour interval.

**Correct Answer: AD**

### QUESTION 29

From a command line, you can create an ASM volume with the same properties by using either SQL or ASMCMD. Which two commands will create a 500 MB volume called TESTVOL in the ACFSDG ACFS diskgroup by storing only one copy of the volume file extents in the diskgroup?

- A. SQL> alter diskgroup ACFSDG add volume TESTVOL size 500M unprotected;
- B. ASMCMD> volcreate -G ASMFS -s 500M
- C. SQL> alter diskgroup ACFS add volume TESTVOL size 500M;
- D. ASMCMD> volcreate -G ACFSDG -s 500M --redundancy unprotected TESTVOL
- E. SQL> create volume TESTVOL diskgroup ACFSDG size 500M unprotected;

**Correct Answer: AD**

### QUESTION 30

You installed the Oracle Grid Infrastructure on a four-node cluster before discussing the network requirements with the network administrator who was on holiday. You created a single scan named mydb-scan.myclust.example.com by adding this name to the /etc/hosts file. As a result, the Grid Infrastructure has four node listeners and node VIP but only a single SCAN listener and SCAN VIP. The network administrator has returned and modified the corporate DNS server to associate three IP addresses with the mydb-scan.myclust.example.com scan name. The SCAN VIPs are on the same network as the node VIPs. You now must replace the single SCAN VIP and listener with three of each for high availability purposes and make certain that the SCANS and listeners are active. Which procedure will do this properly if run as the root user?

- A. 

```
srvctl stop scan_listener
srvctl stop scan
srvctl start scan
srvctl start scan_listener
```
- B. 

```
srvctl stop scan_listener
srvctl stop scan
```

```
srvctl remove scan
srvctl add scan -n MYDB-SCAN.MYCLUST.EXAMPLE.COM
srvctl start scan
srvctl start scan_listener
```

- C. 

```
srvctl add scan -n MYDB-SCAN.MYCLUST.EXAMPLE.COM
srvctl start scan
srvctl start scan_listener
```
- D. 

```
srvctl stop scan_listener
srvctl stop scan
srvctl remove scan
srvctl add scan
srvctl start scan
srvctl start scan listener
```

**Correct Answer: B**

### QUESTION 31

Which three statements are true about the logging or tracing of Java-based Oracle tools?

- A. By default, Oracle logs actions for DBCA and DBUA.
- B. For tools such as SRVCTL and CLUVFY, tracing can be enabled by setting `srvm trace = true` your shell environment before executing the commands.
- C. The `srvm_trace` environment variable can be set only in the user's shell environment file.
- D. To disable tracing for Java-based tools, unset the `srvm_trace` variable: `export srvm_trace=`

**Correct Answer: ABD**

### QUESTION 32

You have created four top-level server pools called OLTP, BATCH, DSS, and support for a policy-managed, eight-node cluster. The OLTP pool has two child pools called OLTP\_CHILD1 and OLTP\_CHILD2. Which two statements are true about sharing servers among the various server pools on your cluster?

- A. Servers are never shared and are always mutually exclusive between top-level server pools.
- B. Use the `exclusive_pools` attribute to prevent servers being shared between top-level server pools.
- C. Use the `exclusive_pools` attribute to prevent servers being shared between OLTP\_CHILD1 and OLTP\_CHILD2.
- D. Use the `exclusive_pools` attribute to prevent servers being shared between batch, dss,

support, oltp\_childi, and OLTP\_CHILD2.

- E. Servers are never shared and are always mutually exclusive between top-level server pools and between sibling child pool.

**Correct Answer: AC**

**QUESTION 33**

In an ASM instance, there are several parameters that have meanings specific to the ASM. Which parameter is mandatory?

- A. ASM\_DISKGROUP
- B. ASM\_DISKSTRING
- C. INSTANCE\_TYPE
- D. CLUSTER\_DATABASE
- E. MEMORY\_TARGET
- F. ASM\_POWER\_LIMIT

**Correct Answer: C**

**QUESTION 34**

Which three fragments will complete this statement correctly? In a cluster environment, an ACFS volume\_\_\_\_\_.

- A. Will be automatically mounted by a node on reboot by default.
- B. Must be manually mounted after a node reboot.
- C. Will be automatically mounted by a node if it is defined as cluster stack startup if it is included in the ACFS mount registry.
- D. Will be automatically mounted to all node if it is defined as cluster resource when dependent cluster resources requires access.
- E. Will be automatically mounted to all node in the cluster when the file system is registered.
- F. Must be mounted before it can be registered.

**Correct Answer: ACE**

**QUESTION 35**

Which three actions are required to create a general purpose ASM cluster file system (ACFS) to be automatically mounted by Oracle Clusterware?

- A. Format an ASM volume with an ASM cluster file system.
- B. Create mount points on all cluster nodes where the ASM cluster file system will be mounted.
- C. Manually add an entry to /etc/fstab defining the volume, mount point, and mount options

- on  
each node in the cluster.
- D. Register the mount point.

**Correct Answer: ABD**

### QUESTION 36

Which three statements are true about cluster (OCR) and local registries (OLR)?

- A. The ocrdump command can be used to dump the contents of either the cluster registry (OCR) or the local registry (OLR).
- B. Information in the OCR is organized by keys that are associated with privileges. Therefore, the root user will see more information when using ocrdump than the grid user.
- C. After the cluster is created, the size of the OCR is static unless the Clusterware software is upgraded.
- D. The ocrdump command can be used to dump information for a single OCR key.

**Correct Answer: ABD**

### QUESTION 37

In your two-instance RAC database, you find that FAST\_START\_MTTR\_TARGET is set to 300 on both the nodes. The ESTD\_CLUSTER\_AVAILABLE\_TIME column in the V\$INSTANCE\_RECOVERY view shows the value 100. What is the correct interpretation? (Choose two)

- A. In the event of an instance failure, the database will become partially available in 100 seconds.
- B. In the event of an instance failure, the database will become fully available in 100 seconds.
- C. In the event of an instance failure, the failed instance will become fully available in 300 seconds.
- D. In the event of an instance failure, the database will become partially available in 200 seconds.
- E. In the event of an instance failure, the failed instance will become available in 300 seconds.

**Correct Answer: AE**

### QUESTION 38

A policy-managed RAC database that hosts the ACCOUNTS service has only three instances running rather than the usual four on a six-node cluster. Five of the six cluster nodes are active and the sixth (RACNODE6) is down for maintenance. You decide to check the state of the servers in the server pools to see if there are problems with the OLTP pool to which the ACCOUNTS



service has been assigned. You used the `crsctl status server-f` command and see that the RACNODE3 node has STATE=VISIBLE. What is true about this situation?

- A. The Cluster Synchronization Services Daemon (cssd) is running and RACNODE3 is considered to be part of the cluster, but the Cluster Ready Services Daemon (crsd) is currently not running.
- B. Both the Cluster Ready Services Daemon (crsd) and the Cluster Synchronization Service Daemon (cssd) are running on RACNODE3, but RACNODE3 is currently being moved to another server pool.
- C. The Cluster Ready Services Daemon (crsd) is running and RACNODE3 is considered to be a part of the cluster, but the Cluster Synchronization Services Daemon (cssd) is currently not running.
- D. Neither the Cluster Ready Services Daemon (crsd) nor the Cluster Synchronization Services Daemon (cssd) is running on RACNODE3.

**Correct Answer: A**

#### QUESTION 39

Choose three correct statements about ASM disk group attributes set from the ASMCA Create Disk Group.

- A. The field labeled ASM Compatibility sets the `compatible.asm` attribute.
- B. When creating a disk group with ASMCA, the default setting for the ASM Compatibility field (`compatible.asm`) is 10.1.
- C. The Database Compatibility field (`compatible.rdbms`) sets the minimum version level for any database instance that is allowed to mount the disk group.
- D. To use ADVM volumes, ADVM Compatibility (`compatible.advm`) must be set to 11.2.0 or later and ASM Compatibility must be 11.2.0 or later.
- E. Advancing the values for disk group compatibility attributes can be reversed if desired.

**Correct Answer: ACD**

#### QUESTION 40

A policy-managed RAC database that hosts the ACCOUNTS service has only three instances running rather than the usual four on a six-node cluster. Five of the six cluster nodes are active and the sixth (RACNODE6) is down for maintenance. You decide to check the state of the servers in the server pools to see if there are problems with the OLTP pool to which the ACCOUNTS service has been assigned. You used the `crsctl status server-f` command and see that the RACNODE3 node has STATE=VISIBLE. What is true about this situation?

- A. The Cluster Synchronization Services Daemon (cssd) is running and RACNODE3 is considered

to be part of the cluster, but the Cluster Ready Services Daemon (crsd) is currently not running.

- B. Both the Cluster Ready Services Daemon (crsd) and the Cluster Synchronization Service Daemon (cssd) are running on RACNODE3, but RACNODE3 is currently being moved to another server pool.
- C. The Cluster Ready Services Daemon (crsd) is running and RACNODE3 is considered to be a part of the cluster, but the Cluster Synchronization Services Daemon (cssd) is currently not running.
- D. Neither the Cluster Ready Services Daemon (crsd) nor the Cluster Synchronization Services Daemon (cssd) is running on RACNODE3.

**Correct Answer: A**

#### QUESTION 41

You have configured your eight-node cluster to use GNS. The network administrator has established delegated subdomain for the Cluster which is MYCLUSTER.EXAMPLE.COM. DHCP has been configured so that the cluster now manages IP addresses within the cluster. Select three responses that describe the VIPs that will exist in this configuration.

- A. 3 GNS VIPs
- B. 8 Node VIPs
- C. 3 SCAN VIPs
- D. 1 GNS VIP
- E. 3 Node VIPs

**Correct Answer: BCD**

#### QUESTION 42

On the OUI Grid Plug and Play information page, you can configure GRID Naming Service (GNS). What will be the SCAN Name field default to if you enter cluster01 in the cluster Name field and cluster01.example.com in the GNS Sub Domain field?

- A. cluster01.example.com
- B. cluster01-qns.example.com
- C. cluster01-scan.cluster01.example.com
- D. cluster-vip.example.com

**Correct Answer: C**

#### QUESTION 43

You have a four-node cluster with four node VIPS and three scan VIPS already in use after Oracle

Grid Infrastructure installation. You plan to manage a customer-developed, web-based application with the Oracle Grid Infrastructure to provide high availability. Which two statements are true about the vip application resource that must be created?

- A. The vip application must be active on the same subnet and ethernet adaptor as the Interconnect.
- B. The vip application must be active on the same subnet and ethernet adaptor as the public ip Address.
- C. The vip application must not be online on the same node as any of the scan vips.
- D. The vip application must be active on a different node than the application depending on the by using the dispersion start dependency in the resource definition.
- E. The vip application must be enabled to run as the root user.

**Correct Answer: BE**

#### **QUESTION 44**

In the high availability services' provided by Oracle Clusterware are used to protect Oracle resource such as RAC database instances, RAC database services, and other components of the Oracle Infrastructure, and non-Oracle resources as well. Which two statements are true about the high availability capabilities of Oracle HA services?

- A. RAC databases may have their instances failed over in some cases.
- B. ASM instances may be failed over if fewer than three nodes remain. In the cluster, so that there are always at least three ASM instances available.
- C. If a node fails, then all resources that were active on that node will be failed over to a surviving node if any exists.
- D. If a node fails, then cluster resources that were active on that node may be failed over to a surviving node if any exists, but local resources are not failed over.
- E. HA services will only fail over a resource upon failure of the node where the resource was active.

**Correct Answer: DE**

#### **QUESTION 45**

Under which account(s) can the Oracle Clusterware processes run for the Linux platform?

- A. only the root account
- B. only the Grid Infrastructure owner account
- C. only the database software owner account
- D. some under the Grid Infrastructure owner account and some under the root account
- E. some under the database software owner account and some under the root account

**Correct Answer: D**

**QUESTION 46**

Identify the three valid storage options for Grid Infrastructure voting disk and Install.

- A. a certified Cluster File System (CFS)
- B. a certified Network File System (NFS)
- C. ASM Cluster File System (ACFS)
- D. Automatic Storage Management (ASM)
- E. shared disk slices (block or raw devices)

**Correct Answer: ABD**

**QUESTION 47**

Which two conditions are required by the ASM fast mirror resynchronization to track block changes for a set period of time before dropping the disk from the disk group?

- A. Redundancy is normal or high.
- B. compatibility.rdbms is set to a value of at least 11.1.
- C. disk\_repair\_time is set to a nondefault value.
- D. block\_change\_tracking IS enabled.
- E. db\_block\_checking is enabled.
- F. resumable\_timeout is set to a nondefault value.

**Correct Answer: AB**

**QUESTION 48**

The ASM instance in your environment can support databases from version 10.2.0.4 through 11.2.0.1. You want to use all ASM functionality possible for each database, including OCR and voting files in the ASM. What is the proper setting for the ASM diskgroup attribute on diskgroups being used by all the instances?

- A. Set compatible.asm to 11.2 and compatible.rdbms to 10.2
- B. Set compatible.asm to 10.2 and compatible.rdbms to 10.2
- C. Set compatible.asm to 11.2 and compatible.rdbms to 11.2
- D. Set compatible.asm to 10.2 and compatible.rdbms to 11.2

**Correct Answer: A**

**QUESTION 49**

A third party application has provided files containing the command syntax required to register and manage the application for high availability with Oracle Grid Infrastructure.

The command to define the application is as follows:

```
crsctl add resource LongApp -type cluster_resource -attr
"ACTION_SCRIPT='/u01/ogi/scripts/longapp.scr' , PLACEMENT='restricted' ,
HOSTING_MEMBERS='RACNODE1 RACNODE2 , CHECK_INTERVAL='30
,START_DEPENDENCIES='hard(LongAppvip)' , STOP_DEPENDENCIES='hard (LongAppvip)',
RESTART_ATTEMPTS='2"
```

Which two statements are true about the behavior of this resource after it is added?

- A. It will be a policy-managed resource using the server pool containing nodes RACNODE1 and RACNODE2.
- B. The LongAppvip vip resource must be activated to successfully activate this resource, but will not be activated automatically if not already active.
- C. The LongAppvip vip resource must be stopped before this resource is stopped.
- D. It will be an administrator-managed resource hosted by nodes RACNODE1 and RACNODE2.

**Correct Answer: BD**

**QUESTION 50**

Which command will set full debugging for the communications and resource management components; of the CRS module on nodes host01 and host03?

- A. `srvctl set log -m CRS -C CRSCTI 5, CRSCOMM 5 -n host01,host03`
- B. `ocrconfig set log CRS "CRSRTI,CRSCOMM:5 " -nodelist host01,host03`
- C. `crsctl set log CRS "CRSRTI:5,CRSCOMM:5" -nodelist host01,host03`
- D. `crsctl lsmodules crs set log CRSRTI:5,CRSCOMM:5 -nodelist host01, host03`

**Correct Answer: C**

**QUESTION 51**

You have an ASM cluster and you want to terminate all the ASM instances. Assume that the database instances supported by the ASM are already shut down. What must you know to select the appropriate command for this operation?

- A. Are the OCR and voting disk files stored in ASM diskgroups?
- B. Are the SYSTEM and SYSAUS tablespaces stored in ASM diskgroups?
- C. Is the undo tablespace stored in ASM diskgroups?

D. Are the redo log files stored in ASM diskgroups?

**Correct Answer: A**

#### QUESTION 52

Which are the key factors that you should consider before converting a single-Instance database Oracle Real Application Cluster (RAC) database to guarantee a successful media recovery?

- A. If the database is in archive log mode, the archive file format requires a thread number.
- B. The archive logs from all nodes must be accessible to all nodes in the cluster database.
- C. The storage option must be Automatic Storage Management (ASM).
- D. All database files must be migrated to Oracle Managed Files (OMF).

**Correct Answer: AB**

#### QUESTION 53

You are managing a three-instance policy-managed RAC database PROD. You created a service called GL for the PROD database by using the following command:

```
oracle@gr7597~]$srvctl add service -d PROD -s GL -g SP1 -c singleton -y manual
```

Examine the following output:

```
(oracle@gr7597~]$srvctl config database -d PROD -a
Database unique name: PROD
base name: PROD
Oracle home: /u01/app/oracle/product/11.2.0/dbhome_1 cle user: oracle Spfile:
+DATA/PROD/spfil6RACDB.ora
Domain:
Start options: open
Stop options: immediate
Database role: PRIMARY
Management policy: AUTOMATIC
Server pools: SPI Database instances:
Disk Groups: DATA, FRA
Services:
```

```
Database is enabled Database is policy managed
[oracle@gr7597~]$ crsctl stat res ora.PROD.db
NAME=ora.PROD.db
TYPE=cluster__resource
TARGET=ONLINE
STATE^ONLINE on gr7597 ONLINE on gr7602 ONLINE on gr7633
[oracle@gr7597~]$ crsctl stat serverpool ora.SPI
NAME=ora.SPI
ACTIVE_SERVERS=gr7597 gr7602 gr7633

[oracle@gr7597-JS crsctl NAME=ora.prod.gl.svc
TYPE=ora.service - type
TARGET=ONLINE
STATE=ONLINE on gr7597
```

Which three steps are required to enable ODP.NET clients that connect to the GL services to receive FAN High Availability Events?

- A. Enable Advanced Queuing notifications by using SRVCTL as shown in the following command: `srvctl modify service -d prod -s gl -q TRUE -j LONG`
- B. Execute the following statement for the users that will be connecting by way of the -Net Application, where `user_name` is the user name:  
EXECUTE  
DBMS\_AQADM.GRANT\_QUEUE\_PRIVILEGE('DEQUEUE','SYS.SYSSERVICE\_METRICS'  
`user_name`);
- C. Enable Transparent Application Failover (TAF), either on the client or for the service.
- D. Enable Fast Connection Failover for ODP.NET connection pools by subscribing to FAN High Availability events. Do this by setting the HA events connection string attribute to true at connection time.
- E. Link client applications with the client thread or operating system library.

**Correct Answer: ABD**

#### QUESTION 54

Which two statements are true regarding the Active Session History (ASH) reports for RAC?

- A. They provide details about Oracle databases for all current sessions, and history of past session all RAC nodes.
- B. They provide statistics about Oracle databases for the active sessions on all the RAC nodes.

- C. They report on data captured for active sessions. The volume of data is directly related to the work being performed by sessions.
- D. They report on data captured for active sessions. The volume of data is directly related to the number of sessions on the system.

**Correct Answer: AC**

#### **QUESTION 55**

Which two statements are true about instance recovery in a RAC environment?

- A. Parallel instance recovery will work even if the `recovery_parallelism` initialization parameter set to 0 or 1.
- B. Increasing the size of the default buffer cache can speed up instance recovery because instance recovery may use as much as 50 percent of the default buffer cache for recovery buffers.
- C. The `fast_start_mttr_target` initialization parameter includes both instance startup and recovery time.
- D. The `fast_start_mttr_target` initialization parameter specifies only the instance recovery time.

**Correct Answer: BD**

#### **QUESTION 56**

Which two statements are true regarding undo management in the RAC environment?

- A. You can use Automatic Undo Management (AUM) in some of the instances and manual undo management in the rest of the instances in a RAC database.
- B. In a policy-managed RAC database, Oracle automatically allocates the undo tablespace even the Oracle Managed Files (OMF) is disabled in a database.
- C. In a policy-managed RAC database, Oracle automatically allocates the undo tablespace if the database is OMF enabled.
- D. You can dynamically switch undo tablespace assignments by executing the `ALTER SYSTEM SET UNDO_TABLESPACE` statement from any instance in an administrator managed database.

**Correct Answer: CD**

#### **QUESTION 57**



Which three statements are true about services and the Resource Manager?

- A. The Resource Manager can manage the relative priority of services within an instance by binding services directly to consumer groups if services are mapped to consumer groups by the DBA.
- B. When a client connects using a service, the service can be mapped to a consumer group, enabling the Resource Manager to manage work requests by service in the order of their importance.
- C. The `srvctl` utility is used to map services to consumer groups.
- D. The Resource Manager offers benefits in managing workloads because priority is given to business functions rather than the sessions that support those business functions.

**Correct Answer: ABD**

#### QUESTION 58

You notice that there is a very high percentage of wait time for the 'enq:HW-contention' event in your RAC database that has frequent insert operations. Which two recommendations may reduce this problem?

- A. shorter transactions
- B. increasing sequence cache sizes
- C. using reverse key indexes
- D. uniform and large extent sizes
- E. automatic segment space management
- F. smaller extent sizes

**Correct Answer: DE**

#### QUESTION 59

You are managing RAC database with policy managed services. The database is started by using an SPFILE. Which two statements are true regarding initialization parameters in a RAC environment?

- A. All initialization parameters must have identical settings on all instances.
- B. All instances in the cluster database use the same SPFILE.
- C. To change values for initialization parameters for an instance, you must log in to that instance.
- D. All initialization parameters for all instances can be changed from any instance in a RAC database.

**Correct Answer: BD**

**QUESTION 60**

You need to set up a three-Instance RAC database. The data files and fast recovery area will be stored in ASM diskgroups called +data and +fra, respectively. The ASM disk groups will be mounted on all ASM Instances. Which are the two best location options for archive logs so that they can be accessed during recovery without DBA intervention?

- A. Cluster File System with each instance writing to a shared location
- B. Cluster File System with each instance writing to a separate location as long as all the locations are in directories under the same mount point
- C. the ASM diskgroup +fra with the db\_recovery\_file\_dest parameter set to the same value on all instances
- D. a raw or block device

**Correct Answer: AC**

**QUESTION 61**

Which two statements are true regarding the Automatic Workload Repository (AWR) in a RAC environment?

- A. The AWR includes time model statistics based on time usage for activities displayed in the VSSYS\_TIME\_MODEL and VSSESS\_TIME\_MODEL views.
- B. The AWR is controlled by the statistics\_level initialization parameter and it must be set to TYPICAL or BASIC
- C. The Manageability Monitor Processes (MMON) process gathers statistics every hour from every instance and creates an AWR snapshot and stores it in the SGA.
- D. The MMON process gathers statistics from its own instance and kicks off statistics collection from other instances every hour from other instances and creates an AWR snapshot which is written to the sysaux tablespace.

**Correct Answer: AD**

**QUESTION 62**

Assume that you want to make a connection to the ERP service associated with a newly created RAC database called PROD on a cluster called cluster01 that consists of three nodes: node1, node2, and node3. Which two connect strings are correctly configured to connect to the ERP service?

- A. ERP=(DESCRIPTION =  
(LOAD\_BALANCE=on )  
(ADDRESS =(PROTOCOL=TCP)(HOST=cluster01-scan)(PORT=1521))  
(CONNECT\_DATA=( SERVICE\_NAME=ERP)))
- B. ERP= (DESCRIPTION=  
(LOAD\_BALANCE=on )

```
(ADDRESS=(PROTOCOL=TCP)(HOST=node1-vip)(PORT=1521))
(ADDRESS=(PROTOCOL=TCP)(HOST=node2-vip)(PORT=1521))
(ADDRESS=(PROTOCOL=TCP)(HOST=node3-vip)(PORT=1521))
(CONNECT_DATA=(SERVICE_NAME=ORCL)))
```

- C. ERP=(DESCRIPTION=  
 (LOAD\_BALANCE=on )  
 (ADDRESS=(PROTOCOL=TCP)(HOST=cluster01-scan1)(PORT=1521))  
 (ADDRESS=(PROTOCOL=TCP)(HOST=cluster01-scan2)(PORT=1521))  
 (ADDRESS=(PROTOCOL=TCP)(HOST=cluster01-scan3)(PORT=1521))  
 (CONNECT\_DATA=( SERVICE\_NAME=ERP)))
- D. url="jdbc:oracle:thin:@(DESCRIPTION=  
 (LOAD\_BALANCE=on)  
 (ADDRESS=(PROTOCOL=TCP)(HOST=cluster01-scan)(PORT=1521)))  
 (CONNECT DATA=(SERVICE NAME=ERP)))"

**Correct Answer: AD**

#### QUESTION 63

When creating an Oracle Cluster database using DBCA the "Memory size (SGA and PGA)" field is supplied on value of 2000 MB. Identify the default block Size used for the database.

- A. 2 KB
- B. 4 KB
- C. 8 KB
- D. 16 KB
- E. 32 KB

**Correct Answer: C**

#### QUESTION 64

Examine the following output:

```
[oracle@gr5153~]$srvctl add service -d RACDB -s erp -g pool1 -c uniform -y manual
[oracle@gr5153~]$srvctl start service -d RACDB -s ERP
[oracle@gr5153~]$scrsctl stat res ora.racdb.erp.svc NAME=ora.racdb.erp.svc
TYPE=ora.service.type
TARGET=ONLINE, ONLINE, ONLINE STATE=ONLINE on gr5118, ONLINE on gr5152, ONLINE on
gr5153
[oracle@gr5153~]$ srvctl config database -d RACDB
Database unique name: RACDB
```

Database name: RACDB  
Oracle home:/u01/app/oracle/product/11.2.0/dbhome\_1  
Oracle user:oracle  
Spfile:+DATA/RACDB/spfileRACDB.ora  
Domain:  
Start options:open  
Stop options:immediate  
Database role:PRIMARY  
Management policy:AUTOMATIC  
Server pools:POOL 1  
Database instances:  
Disk Groups:DATA, FRA  
Services:ERP

Database is policy managed  
\$srvctl stop database -d RACDB -o immediate

Which two statements are true regarding the srvctl stop command?

- A. It will shut down all the instances of the RACDB database.
- B. It will shut down only the RACDB instance and the ERP service on the node on which the Command is executed.
- C. It will shut down only the database instance on the node on which the command is executed.
- D. It will stop the ERP service related to the RACDB database on all the nodes.

**Correct Answer: AD**

#### QUESTION 65

You are managing a policy-managed database called RACDB.  
Examine the output given below:

```
$ echo $ORACLE_SID  
RACDB_1
```

```
$ sqlplus / as sysdba  
SQL> SELECT * FROM V$ACTIVE INSTANCES;
```

```
INST NUMBER INST NAME  
-----  
1                gr7597:RACDB_1  
2                gr7602:RACDB_2  
3                gr7633:RACDB_3
```

You used these commands to add the service ERP:

```
$ srvctl add service -d RACBD -s ERP -g POOL1 -c UNIFORM -y manual
```

```
$ srvctl start service -d RACDB -s ERP
```

```
$ crsctl stat res ora.racdb.erp.svc
```

```
NAME=ora.racdb.erp.svc
```

```
TYPE=ora.services.type
```

```
TARGET= ONLINE , ONLINE , ONLINE
```

```
STATE=ONLINE on gr7597, ONLINE on gr7602, ONLINE on gr7633
```

```
$ srvctl stop instance -d RACDB -i RACDB_1
```

Which statement is true regarding the srvctl stop instance command?

- A. It will shut down the racdb\_1 instance and the ERP service running on node gr7597.
- B. It will shut down the racdb\_1 instance, and the ERP service will fail over to an available instance.
- C. It will shut down the racdb\_1 instance, but the ERP service will keep running on node gr7597.
- D. It will shut down the racdb\_1 instance and the ERP service running on that instance. However, Oracle Clusterware can restart the ERP service running on node gr7597.
- E. It will shut down the racdb\_1 instance and stop the ERP service on all the nodes.

**Correct Answer: A**

#### QUESTION 66

Which three statements are true about the management of Oracle Services?

- A. To manage workloads or a group of applications, you can define services for a particular application or a subset of an application's operations.
- B. Similar work can be categorized under services to ease workload management.
- C. Users who share a service should have different service-level requirements.
- D. Oracle Enterprise Manager or SRVCTL should be used to control cluster-managed services, not DBMS\_SERVICE.

**Correct Answer: ABD**

#### QUESTION 67

You notice that there is a very high percentage of wait time for RAC database that has frequent

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