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Vendor: IBM

Exam Code: C2090-919

Exam Name: Informix 11.70 System Administrator

Version: Demo

QUESTION NO: 1

Which sysmaster table can be queried to find the logging status of a database?

- A. sysdb
- B. sysdblog
- C. sysdatabases
- D. sysdblogstatus

Answer: C

QUESTION NO: 2

What output is NOT reported by the dbschema utility?

- A. The database logging mode.
- B. The schemas of remote databases.
- C. The table definitions without owner names.
- D. The onspaces commands to re-create your systems' dbspaces.

Answer: A

QUESTION NO: 3

Which command line utility displays real time statistics about the instance?

- A. dbinfo
- B. onstat
- C. dbschema
- D. onmachinfo

Answer: B

QUESTION NO: 4

Which onstat command will allow the gathering of statistics about the Informix Database Scheduler tasks that are currently running or scheduled to be run?

- A. onstat -g dbc
- B. onstat -g sch
- C. onstat -g adm
- D. onstat -g tsk

Answer: A

QUESTION NO: 5

What does the ovbuff field of an onstat -p output show?

- A. The number of times that a buffer was read.
- B. The number of times a buffer was extended.
- C. The number of times that any buffer was overwritten.
- D. The number of times the instance ran out of free buffers.

Answer: D

QUESTION NO: 6

Which SQL Administration API command will merge non-contiguous table extents?

- A. shrink
- B. defragment
- C. table repack
- D. merge extents

Answer: B

QUESTION NO: 7

By default, the alarm program gets executed for which event(s)?

- A. All events.
- B. Only for events with Severity code 1.
- C. Only for events with Severity code 5.
- D. Only for events with Severity code greater than 1.

Answer: D

QUESTION NO: 8

When a SELECT statement is executed which statement is true?

- A. The number and duration of the locks is dependent on the ISOLATION LEVEL.

-
- B. If COMMITTED READ isolation is in place then the SELECT will never encounter any locking errors.
 - C. Within a transaction the database server will place row or page locks on a nonlogging table.
 - D. If the SELECT is part of an UPDATE cursor then the database server will place an exclusive lock on the entire dataset.

Answer: A

QUESTION NO: 9

For a given procedure name, what is the objective of the SQL query shown below?

```
SELECT data
  FROM sysprocbody a, sysprocedures b
 WHERE a.procid = b.procid
    AND b.procname = ?
    AND datakey = 'T'
 ORDER BY seqno;
```

- A. The query returns the ordered text form of the specified procedure body.
- B. The query returns the ordered compiled form of the specified procedure body.
- C. The query returns both ordered text and ordered compiled form of the specified procedure body.
- D. The query returns neither the ordered text nor the ordered compiled form of the specified procedure body.

Answer: A

QUESTION NO: 10

Which statement about auditing is NOT true?

- A. You can enable auditing row updates for all rows in the table.
- B. You can enable auditing row updates just for a subset of rows in the table.
- C. You can enable auditing row updates for all rows from all tables in the database except for system catalog tables.
- D. You can enable auditing row updates for all rows from all tables in the database and for the system catalog tables.

Answer: B

QUESTION NO: 11

How is the DBSSO group determined on a Unix system with role separation?

- A. It is always the groupinformix.
- B. It is set using theonsecurity command line tool.
- C. It is the group that owns \$INFORMIXDIR/dbssodir.
- D. It is the group specified in the DBSSOonconfig parameter.

Answer: C

QUESTION NO: 12

Which role can create, alter, or delete trusted context objects?

- A. DBA
- B. DBSA
- C. DBSSO
- D. DBSECADM

Answer: D

QUESTION NO: 13

Which of the following activities does the Secure-Auditing Facility NOT monitor and record?

- A. Specific rows.
- B. Specific users.
- C. Specific tables.
- D. Specific DML operations.

Answer: A

QUESTION NO: 14

Which statement about mapped user functionality is true?

- A. Mapped users cannot execute distributed operations.
- B. Mapped users are allowed to run with multiple names.
- C. The DBSA can control the access to tables at a row level using security labels.
- D. The DBSA can grant database server access to externally authenticated users with no local account.

Answer: D

QUESTION NO: 15

To enable network encryption, what two steps must the administrator complete? (Choose two.)

- A. Enter the CSM name in the sqlhosts file.
- B. Set the IFX_ENCCSMonconfig parameter to 1.
- C. Define the CSM in the conesm.cfg configuration file.
- D. Enter the CSM name in the onconfig NETTYPE parameter.
- E. Set the environment variable ENCCSMCFG to the name of the CSM.

Answer: A,C

QUESTION NO: 16

Which of the following privileges is NOT valid for a table fragment?

- A. ALL
- B. INSERT
- C. UPDATE
- D. CREATE INDEX

Answer: D

QUESTION NO: 17

Which statement regarding default roles is true?

- A. An administrator can define a default role to assign only to the PUBLIC group for a particular database.
- B. The privileges associated with a default role takes precedence over the privileges granted to an individual user.
- C. An administrator can define a default role to assign to individual users or to the PUBLIC group for a particular database.
- D. When a user connects to a database, it is necessary to use the SET ROLE DEFAULT statement in order to gain the default role privileges.

Answer: C

QUESTION NO: 18

Why do automatic checkpoints cause the database server to trigger more frequent checkpoints?

- A. To avoid LRU flushes.
- B. To ensure the buffer pool is always available.
- C. To ensure theostat -g ckp report is accurate.
- D. To avoid transaction blocking during checkpoints.

Answer: D

QUESTION NO: 19

Which statement about the scope of UPDATE STATISTICS is true?

- A. If the FOR PROCEDURE keywords are included but the name of any SPL routine is not specified, an error will be returned.
- B. If the FOR TABLE keywords are used without specifying the name or synonym of a table, the database will not recalculate distributions for any table in the current database.
- C. If the FOR TABLE keywords are specified with a table but without specifying a list of columns, the database server will not recalculate distributions on all of the columns of the specified table.
- D. If the FOR PROCEDURE specification, Table and Column Scope, and Resolution clauses are NOT included, then the statistics are updated for every table and SPL routine in the current database.

Answer: D

QUESTION NO: 20

Which two corrective actions may be taken if following message is logged in the online message log during a failed attempt to bring an instance online? (Choose two)

18:15:44 Size of resident + virtual segments 100000KB + 60000KB > 150000KB

18:15:44 total allowed by configuration parameter SHMTOTAL

- A. Decrease SHMADD
- B. Increase SHMTOTAL
- C. Decrease SHMBASE
- D. Increase SHMVIRTSIZE
- E. Decrease buffer pool size

Answer: B,E

QUESTION NO: 21

Without explicitly setting DBSPACETEMP and TEMPTABLE_NOLOG, where will temporary tables be created by default? (Choose three.)

- A. The rootdbspace.
- B. The users' home directory.
- C. The \$INFORMIXDIR/tmp directory.
- D. The dbspace in which the active database was created.
- E. The /tmp directory or PSORT_DBTEMP.

Answer: A,D,E

QUESTION NO: 22

What two onconfig parameters will help improve performance of new network connections? (Choose two.)

- A. NETTYPE
- B. VPCLASS
- C. NS_CACHE
- D. FET_BUF_SIZE
- E. NUMFDSERVERS

Answer: C,E

QUESTION NO: 23

Given the following SQL command where the DBSPACETEMP onconfig and environment variables are set to valid dbspaces:

```
createtemp table mytemp (columns) with no log;
```

in what order will the instance evaluate where to place this table?

- A. DBSPACETEMP environment variable, rootdbspace, dbspace where the database was created, DBSPACETEMP onconfig parameter.
- B. DBSPACETEMP environment variable, DBSPACETEMP onconfig parameter, dbspace where the database was created, root dbspace.
- C. DBSPACETEMP onconfig parameter variable, DBSPACETEMP environment variable, root dbspace, dbspace where the database was created.
- D. DBSPACETEMP onconfig parameter variable, root dbspace, dbspace where the database was created, DBSPACETEMP environment variable.

Answer: B

QUESTION NO: 24

What ONCONFIG parameter can be tuned to increase memory for hash joins?

- A. RESIDENT
- B. EXTSHMADD
- C. VP_MEMORY_CACHE_KB
- D. DS_NONPDQ_QUERY_MEM

Answer: D

QUESTION NO: 25

Which two options can be used to monitor PDQ resources? (Choose two.)

- A. onstat -l.
- B. onstat -p.
- C. onstat -D.
- D. onstat -g ath.
- E. SET EXPLAIN output.

Answer: D,E

QUESTION NO: 26

Which statement about updating statistics is NOT true?

- A. UPDATE STATISTICS HIGH scans the entire table.
- B. Data distributions are updated every time UPDATE STATISTICS LOW is executed.
- C. UPDATE STATISTICS operations will benefit by tuning the DBUPSPACE environment variable.
- D. An UPDATE STATISTICS LOW command will ignore tables and indexes with modifications less than STATCHANGE.

Answer: B

QUESTION NO: 27

Most, but not all Virtual Processors, can be modified via the onmode -p command. Which CANNOT be modified?

-
- A. ADM
 - B. BTS
 - C. CPU
 - D. CSM

Answer: A

QUESTION NO: 28

Which of the following gives a good initial estimate for the physical log size?

- A. 110% of rootdbs.
- B. 110% the default buffer pool.
- C. 110% of the logical log space.
- D. 110% of combined buffer pool.

Answer: D

QUESTION NO: 29

Which two onconfig parameters can be set to backup/restore to/from a cloud storage location?
(Choose two.)

- A. TAPEDEV
- B. TAPEBLK
- C. LTAPEBLK
- D. LTAPEDEV
- E. BAR_BSALIB_PATH

Answer: A,D

QUESTION NO: 30

Which two objects are NOT included in a backup? (Choose two.)

- A. Tables
- B. Indexes
- C. External tables
- D. Simple blob data stored in simpleblobspaces
- E. Basic text search indexes stored in externaldbspaces

Answer: C,E

QUESTION NO: 31

What is used during Fast Recovery to return pages to the original state?

- A. Logical Log
- B. Physical Log
- C. External Tables
- D. TemporaryDBSpaces

Answer: B

QUESTION NO: 32

To maximize the performance of your OnBar backup and recovery operations, what should you do?

- A. Use a commercial storage manager.
- B. Use the bundled Informix Storage Manager (ISM).
- C. Use a combination of disk-based and tape-based backup devices.
- D. Use separate storage devices for instance spaces and logical logs.

Answer: D

QUESTION NO: 33

Which option would be used with "cdr define replicate" to create a shadow replicate?

- A. --backup
- B. --mirrors
- C. --shadow
- D. --synchronize

Answer: B

QUESTION NO: 34

How many paging files are required for SD secondary instances?

-
- A. There should always be two.
 - B. It depends on how many CPU VPs you have.
 - C. It depends on how many datadbspaces you have.
 - D. It depends on how many temporarydbspaces you have.

Answer: A

QUESTION NO: 35

What statement about users accessing a Flexible Grid is true?

- A. Every user can execute commands on the Flexible Grid.
- B. Only userinformix can execute commands on a Flexible Grid.
- C. Users have to be authorized to execute Flexible Grid commands.
- D. Commands can only be executed from the node on which the Flexible Grid was created.

Answer: C

QUESTION NO: 36

A Connection Manager is started with the following Service Level Agreement:

SLA report=(SDS+report_server)

Where will a connection to the report SLA be redirected?

- A. Any available SDS (Shared Disk Secondary) server, thenreport_server.
- B. Report_server, then any available SDS server.
- C. Report_server, then the SDS server with most available resources.
- D. The server with the most available resources in the SLA list, including all SDS servers andreport_server.

Answer: D

QUESTION NO: 37

Which of the following is NOT a step in setting up HDR for the first time?

- A. Take a level 0 backup of the primary.
- B. Useoninit -v to bring up the secondary.
- C. Execute a physical restore on the secondary.
- D. Useonmode -d to specify the secondary instance name.

Answer: B

QUESTION NO: 38

Assuming you have a table with a replicate defined. A Flexible Grid procedure is executed changing data in that table. What statement about replication of the changes is true?

- A. The changes cannot be replicated.
- B. The changes are replicated by default.
- C. You have to call `callifx_set_erstate()` to replicate changes.
- D. Only changes to primary key columns can be replicated.

Answer: C

QUESTION NO: 39

Given the following:

```
create table t1 (col1 int, col2 char(10));
insert into t1 values (2, "value2");
insert into t1 values (2, "value3");
```

```
create table t2 (col1 int, col2 char(10));
insert into t2 values (1, "value4");
insert into t2 values (2, "value5");
```

What will this MERGE statement do?

```
MERGE into t1 using t2 ON t1.col1 = t2.col1
WHEN MATCHED THEN UPDATE set t1.col2 = "update"
WHEN NOT MATCHED THEN INSERT (col1,col2) values (99, "new");
```

- A. Update three rows.
- B. Update one row and insert two rows.
- C. Update two rows and insert one row.
- D. Return a 26095 error - Cannot update or delete a row twice in a MERGE statement.

Answer: C

QUESTION NO: 40

Given the following SQL statement:

tab1	col1	col2
	1	1
	2	2

tab2	c1	c2
	1	3
	2	1

```

MERGE into tab1 USING tab2 on col1 = c1
  WHEN MATCHED THEN U
    SET col2 = col2 + c2

```

What does the merge statement do?

- A. For each row that matches the condition $col1 = c1$, it inserts a new row in tab1 with the sum of corresponding c2 and col2 column values.
- B. For the rows that match the condition $col1 = c1$, it adds the c2 column value to the col2 column value and updates corresponding rows in tab1.
- C. For the rows that match the condition, $col1 = c1$, it adds the col2 column value to the c2 column value and updates corresponding rows in tab2.
- D. Deletes rows from tab2 and updates rows in tab1 that match the condition $col1 = c1$ by adding the c2 column value to the col2 column value of corresponding rows in tab1.

Answer: B

QUESTION NO: 41

Which list fragmentation statement is true?

- A. It cannot be used for indexes.
- B. It allows overlapping fragments.
- C. It can only be used for numeric columns.
- D. It allows a fragment to be defined as a remainder.

Answer: D

QUESTION NO: 42

Fragment level statistics are NOT supported with which fragmentation strategy?

- A. List fragmentation.
- B. Interval fragmentation.

- C. Expression fragmentation.
- D. Round-robin fragmentation.

Answer: D

QUESTION NO: 43

Given the SQL explain output of this star join query, which is the fact table?

```
select sales.pk
from sales, region, product, date, customer
where sales.fk1 = region.pk
and sales.fk2 = product.pk
and sales.fk3 = date.pk
and sales.fk4 = customer.pk
and sales.pk < 5000 and region.data1 < 50
and product.data2 < 66 and date.data3 < 50
and customer.data4 < 71
```

Estimated Cost: 442

Estimated # of Rows Returned: 2

Maximum Threads: 21

1) sqlqa.customer: SEQUENTIAL SCAN (Parallel, fragments: ALL)
Filters: sqlqa.customer.data4 < 71

2) sqlqa.sales: INDEX PATH
Filters: sqlqa.sales.pk < 5000

(1) Index Name: sqlqa.iffk4
Index Keys: fk4 (Parallel, fragments: ALL)
Lower Index Filter: sqlqa.sales.fk4 = sqlqa.customer.pk NESTED LOOP JOIN

3) sqlqa.date: SEQUENTIAL SCAN (Parallel, fragments: ALL)

Filters:
Table Scan Filters: sqlqa.date.data3 < 50

- A. sales
- B. product
- C. region
- D. customer

Answer: A

QUESTION NO: 44

Which sbspaces statement is FALSE?

- A. Sbspaces may be recoverable.
- B. Sbspaces can be of varying page size.

-
- C. Sbspaces may be part of round robin fragmentation.
 - D. Sbspaces have read, write and seek properties similar to UNIX functions.

Answer: B

QUESTION NO: 45

Under which condition can table fragments NOT be eliminated during query processing?

- A. Tables with non-overlapping fragments and an equality query predicate.
- B. Tables with round-robin distribution scheme and a range query predicate.
- C. Tables with non-overlapping fragments on a single column and a range query predicate.
- D. Tables with overlapping or non-contiguous fragments on a single column and an equality query predicate.

Answer: B

QUESTION NO: 46

When adding space to the storagepool, which correctly describes the type of storage which may be placed in the storagepool?

- A. Cooked file only.
- B. Raw devices only.
- C. Cooked files andRaw devices only.
- D. Cooked files,Raw devices and Directories.

Answer: D

QUESTION NO: 47

Which object can be defragmented?

- A. index
- B. external table
- C. temporary table
- D. system catalog table

Answer: A

QUESTION NO: 48

Which statement about Informix data compression is true?

- A. Compressing data on one Enterprise Replication (ER) node affects the data on the other ER nodes.
- B. I/O-bound tables, for example, those with bad cache hit ratios, are good candidates for compression.
- C. Compression operations can be executed on a HDR secondary, RS secondary, or SD secondary server.
- D. Compressing data on a primary instance will not compress data on the High-Availability Data Replication (HDR) secondary instance.

Answer: B

QUESTION NO: 49

Which CANNOT be used to move compressed data from one database to another?

- A. dbload
- B. dbexport
- C. onunload
- D. High-Performance Loader

Answer: C

QUESTION NO: 50

Which storage space should be used to store columns defined as a BLOB or a CLOB?

- A. sbospace
- B. dbospace
- C. extspace
- D. blobospace

Answer: A

QUESTION NO: 51

What does the SP_WAITTIME variable control?

- A. The maximum time allowed for distributed stored procedures to complete.

-
- B. The maximum amount of wait time for a reply from an H/A cluster secondary.
 - C. The maximum time a user session will wait for a space extension to complete.
 - D. The maximum amount of wait time permitted before an automatic space allocation will begin.

Answer: C

QUESTION NO: 52

When executing the SQL Admin API "defragment table" and "table repack" commands on the customer table, what will happen to the table? (Choose two.)

```
executefunction sysadmin:task("defragment table","customer");
```

```
executefunction sysadmin:task("table repack", "customer");
```

- A. Fragments of a table will be combined.
- B. Rows will be moved to the beginning of table.
- C. Given sufficient resources the number of extents in the table will be reduced.
- D. Free space at the end of the table will be released to the db space for other tables to use.
- E. The table will be locked preventing inserts from happening for the duration of the commands.

Answer: B,C

QUESTION NO: 53

Which \$ONCONFIG parameter triggers an automatic increase to a chunk or space based on remaining free space?

- A. SP_AUTOGROW
- B. SP_THRESHOLD
- C. SP_AUTOEXPAND
- D. SP_CHUNKEXTEND

Answer: B

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