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Vendor: IBM

Exam Code: C2090-619

Exam Name: IBM Informix 12.10 System Administrator

Version: Demo

QUESTION NO: 1

Which configuration parameter can toggle the automatic expansion of storage spaces?

- A. SP_AUTOGROW
- B. SP_AUTO_SPACE
- C. SP_AUTOEXPAND
- D. SP_EXPAND_ENABLE

Answer: C

QUESTION NO: 2

Which statement is FALSE about dbspace configurable page sizes?

- A. Dbspace page size can only be set for non-critical dbspaces.
- B. Possible page sizes are multiples of the default page size up to 16 kb.
- C. Configure page sizes as close to the backup / restore and network buffer size as possible for efficient data transfer across the wire.
- D. Dbspace page size should be configured to accommodate the greatest number of average row sizes with a minimum of remainder pages being used.

Answer: C

QUESTION NO: 3

An Informix server is configured with multiple CPU VPs and poll threads and is experiencing NSF lock errors. What action should be taken to reduce the network shared file lock contention?

- A. Increase the value of MAX_INCOMPLETE_CONNECTIONS.
- B. Increase the value of NUMFDSERVERS and add more poll threads.
- C. Increase the value of NUMFDSERVERS and increase the number of MSC VPs.
- D. Increase the network buffer pool using the IFX_NETBUF_PVTPOOL_SIZE environment variable.

Answer: B

QUESTION NO: 4

Which configuration parameter should be set to enable asynchronous page requests when the database server detects that a query is waiting on I/O?

- A. DIRECT_IO
- B. DBUPSPACE
- C. AUTO_AIOVPS
- D. AUTO_READAHEAD

Answer: D

QUESTION NO: 5

Which table attribute defines the percentage of changes (insert/update/delete) threshold to consider the statistics as stale?

- A. STATAUTO
- B. STATFORCE
- C. FORCE AUTO
- D. STATCHANGE

Answer: D

QUESTION NO: 6

Which configuration parameter locks the resident and virtual segments of shared memory in operating-system physical memory?

- A. SHMSEG
- B. SHMBASE
- C. RESIDENT
- D. INFORMIXSHMLCK

Answer: C

QUESTION NO: 7

Which configuration parameter can be set to quickly return rows to a user while a query continues processing?

- A. OPTOFC
- B. OPTMSG
- C. OPT_GOAL
- D. OPTCOMPIND

Answer: C

QUESTION NO: 8

Which statement is FALSE about Informix Automatic checkpoint Feature?

- A. Automatic checkpoints cause less logical log activity.
- B. Automatic checkpoints try to avoid transaction blocking.
- C. Automatic checkpoints cause the database server to trigger more frequent checkpoints.
- D. Automatic checkpoints can be dynamically enabled or disabled by using onmode -wm or onmode -wf.

Answer: A

QUESTION NO: 9

Which option maximizes performance in an Informix Warehouse (DSS) environment?

- A. Higher value of LOGBUFF.
- B. Higher value of PHYSBUFF.
- C. Higher value of BUFFERPOOL and lower value of DS_TOTAL_MEMORY.
- D. SHMTOTAL set to 0 to allow Informix to access all available physical memory.

Answer: D

QUESTION NO: 10

Consider the following statements: DBSPACETEMP=tempdbs1, tempdbs2, tempdbs3; CREATE DATABASE mydb WITH LOG IN datadbs1; CREATE TEMP TABLE temp1 (col1 int); Which statement is true?

- A. The temp table will be created in datadbs1.
- B. The temp table will be created in root dbspace.
- C. The temp table will be created in one of the dbspaces listed in DBSPACETEMP.
- D. The temp table will be created round-robin across the dbspaces in DBSPACETEMP.

Answer: B

QUESTION NO: 11

Which Informix utility can be used to display contents of logical-log files, either from disk or from backup?

- A. onlog
- B. onclean
- C. ondblog
- D. onspaces

Answer: A

QUESTION NO: 12

In which table can you find a history of all SQL Administration API functions executed in the last 30 days?

- A. sysadmin:admin_history
- B. sysmaster:admin_history
- C. sysadmin:command_history
- D. sysmaster:command_history

Answer: C

QUESTION NO: 13

The following message is received: Lock table overflow - user id user32, session id 54. What action should be taken to prevent this problem in the future?

- A. Run onclean utility to clear the lock table.
- B. Increase the LOCKS configuration parameter.
- C. Turn on the AUTO_TUNE configuration parameter.
- D. Change the DEF_TABLE_LOCKMODE configuration parameter from page to row.

Answer: B

QUESTION NO: 14

You need to create a new role for users on stores database. Which system catalog table can be checked to ensure the uniqueness of the new role name?

- A. stores:sysusers
- B. sysmaster:sysroles
- C. sysuser:sysroleauth
- D. sysmaster:sysusers

Answer: A

QUESTION NO: 15

Which Informix utility is used to print information about runtime statistics for all threads in the server?

- A. onstat -g sta
- B. onstat -g act
- C. onstat -g rea
- D. onstat -g cpu

Answer: D

QUESTION NO: 16

Given the following:

Table Schema

```
CREATE TABLE tab1 (  
  col1 INT,  
  col2 TEXT ) LOCK MODE PAGE;  
CREATE UNIQUE INDEX tab1_idx1 ON tab1(col1);
```

SELECT Statement

```
SET ISOLATION TO DIRTY READ;  
SELECT {+INDEX(tab1 tab1_idx1)} col1 FROM tab1;
```

How many locks will be used on tab1 to run the query?

- A. 0
- B. 1
- C. 2
- D. Depends on the number of index pages accessed

Answer: A

QUESTION NO: 17

Which SQL statement is valid to monitor database server sessions?

- A. EXECUTE FUNCTION task ("onstat","-g ses");
- B. EXECUTE FUNCTION task ("view sessions","all");
- C. EXECUTE FUNCTION task ("check sessions","all");
- D. EXECUTE FUNCTION task ("check server","sessions");

Answer: A

QUESTION NO: 18

Given the following statement: UPDATE STATISTICS LOW FOR TABLE customer (customer_num); Which catalog table data is NOT updated?

- A. sysdistrib
- B. systables
- C. sysindexes
- D. syscolumns

Answer: A

QUESTION NO: 19

Which two types of locks are used by Informix to access a shared memory buffer? (Choose two.)

- A. Byte
- B. Shared
- C. Update
- D. Exclusive
- E. Promotable

Answer: B,D

QUESTION NO: 20

Which statement about DataBlade modules is true?

- A. All DataBlades located in the \$INFORMIXDIR/extend are automatically registered.
- B. All built-in extensions are automatically registered when the extension is first accessed.
- C. All built-in extensions are automatically registered each time the database sever is started.
- D. All built-in extensions are automatically registered when the database server is first initialized.

Answer: B

QUESTION NO: 21

What data migration tool(s) should be used to load data from a non-Informix data source?

- A. dbimport
- B. onload and dbload
- C. dbload and High Performance Loader
- D. onload and High Performance Loader

Answer: C

QUESTION NO: 22

Role separation provides checks and balances to improve the security of your event-auditing procedures. Which two roles must be associated with group IDs to enable role separation? (Choose two.)

- A. DBSEC: DB Security Officer
- B. AAO: Auditing Analysis Officer
- C. DBASO: DB Audit and Security Officer
- D. DBAMO: DB Audit Management Officer
- E. DBSSO: Database System Security Officer

Answer: B,E

QUESTION NO: 23

During the database server initialization process, a number of environment variables are required. What is the order of precedence if the -file option is used?

- A. User local shell, system global
- B. System global, user local shell
- C. System global, user local shell, onconfig file
- D. Onconfig file, user local shell, system global

Answer: D

QUESTION NO: 24

Which is NOT a component of the IBM Mobile Database offering?

- A. IBM DB2
- B. IBM Informix
- C. IBM solidDB
- D. IBM InfoSphere Warehouse

Answer: D

QUESTION NO: 25

Which threshold setting applies when configuring automatic memory management?

- A. SHMTOTAL
- B. BUFFERPOOL
- C. SHMVIRTSIZE
- D. DS_TOTAL_MEMORY

Answer: A

QUESTION NO: 26

When configuring Informix server for DRDA connection, which statement is true?

- A. The connection protocol must be drsoctcp.
- B. The database server name for DRDA connection must correspond to the DBSERVERNAME onconfig parameter.
- C. The database server name for DRDA connection must correspond to the DBSERVERALIASES onconfig parameter.
- D. The database server name should correspond to either the DBSERVERNAME or the DBSERVERALIASES onconfig parameter.

Answer: C

QUESTION NO: 27

Which two statements are true? (Choose two.)

- A. Logical log files must always reside in rootdbs.
- B. Having too little log space does not affect performance.
- C. Having too much log space does not affect performance.
- D. Simple large objects in blobspaces are not logged and they are included in the log backup in which the object was created.
- E. Simple large objects in blobspaces are not logged and they are not included in the log backup in which the object was created.

Answer: C,D

QUESTION NO: 28

Several operating-system kernel configuration parameters can affect the use of shared memory by the database server. Which two kernel parameters may need to be configured? (Choose two.)

- A. Memory page size.
- B. Total number of available semaphores.
- C. Lower-boundary address for shared memory.
- D. Total memory presented to the operating system.
- E. Maximum operating-system shared-memory segment size.

Answer: C,E

QUESTION NO: 29

Which two logging modes are compatible between two databases participating in a distributed query? (Choose two.)

- A. ANSI and non-ANSI

-
- B. Buffered and Unbuffered
 - C. Buffered and Non-logging
 - D. Non-logging and Unbuffered
 - E. Non-logging and Non-logging

Answer: B,E

QUESTION NO: 30

After executing the following commands: `onmode -j -U karin,dave` `onmode -j -U karin,sarah` `onmode -j -U sarah` which user(s) have access to the instance?

- A. sarah
- B. karin and dave
- C. karin and sarah
- D. karin, dave and sarah

Answer: A

QUESTION NO: 31

Which approach is always valid when migrating data across differing hardware and operating system architectures?

- A. `dbexport` source system then `dbimport` into target.
- B. `ontape` backup from source then restore backup onto target.
- C. `onunload` the source to tape and `onload` the tape to the target.
- D. Set up HDR primary and secondary between source and target.

Answer: A

QUESTION NO: 32

Which command would you use to export and import backup object metadata from one database server to another in conjunction with Primary Storage Manager?

-
- A. onbar -E
 - B. dbexport
 - C. onsmsync
 - D. ontape -exp

Answer: C

QUESTION NO: 33

Which type of device does Primary Storage Manager support?

- A. File
- B. Tape
- C. Directory
- D. Named pipe

Answer: A

QUESTION NO: 34

Which action can be taken if an instance is down?

- A. A point-in-time mixed restore.
- B. Warm restore of non-critical storage spaces.
- C. Cold restore by onbar using storage space backups taken by ontape on tape devices.
- D. A mixed restore using onbar whole system backup and incremental dbspace level backups.

Answer: A

QUESTION NO: 35

Which is NOT a feature of onbar backups?

- A. The ability to parallelize backups.
- B. The ability to do a point-in-time restore.

-
- C. The ability to backup without a storage manager.
 - D. The ability to do an external backup using a Storage Area Network.

Answer: C

QUESTION NO: 36

Which statement is true about restartable restore?

- A. ontape can perform restartable restores if a backup is taken to disk.
- B. Restartable restore is the ability to restart a failed restore using onbar.
- C. Restartable restore is the ability to restart a failed restore using ontape.
- D. Restartable restore is the ability to restart an instance using a restore from some other computer.

Answer: B

QUESTION NO: 37

Which two actions can you perform with ontape? (Choose two.)

- A. Backup to cloud
- B. Restartable restore
- C. Backup specific storage spaces
- D. Restore specific storage spaces
- E. Parallel backup of storage spaces

Answer: A,D

QUESTION NO: 38

What kinds of Table Level Restores can be done by the archecker utility?

- A. Only logical restore.
- B. Only physical restore.

-
- C. Only point in time restore.
 - D. Physical, logical, and point in time restores.

Answer: D

QUESTION NO: 39

Which one keyword in this query makes the AVG an OLAP window expression instead of the regular aggregate operator? SELECT AVG(SUM(dollars)) OVER() FROM sales;

- A. SUM
- B. OVER
- C. FROM
- D. AVG(SUM(dollars))

Answer: B

QUESTION NO: 40

For a query to be processed by the accelerator, the query or query block should meet the certain criteria. Which statement is FALSE?

- A. The query or query block must include at least 2 fact tables.
- B. The query or query block must refer to a subset of the tables in the AQT.
- C. The scalar and aggregate functions in the query or query block must be supported by the Informix Warehouse Accelerator.
- D. The table references or joins specified in the query or query block must be the same as the references in the data mart definition.

Answer: A

QUESTION NO: 41

Given these statements are executed:

```
set environment use_dwa 'accelerate on';
SELECT e.emp_name,
       RANK() OVER (PARTITION BY region
                   ORDER BY total_sales desc),
       AVG(sales) OVER (PARTITION BY region, year)
FROM employee e, sales s
WHERE e.emp_id = s.emp_id;
```

which statement is true?

- A.** The entire query will be accelerated to Informix Warehouse Accelerator (IWA) including the OLAP operators.
- B.** The entire query will be executed on Informix database server, and no portion of it will be accelerated by Informix Warehouse Accelerator(IWA).
- C.** The underlying SELECT, JOIN, GROUP BY, and PROJECT operation of the query is accelerated to Informix Warehouse Accelerator (IWA), and OLAP expressions are evaluated by Informix database server.
- D.** The underlying SELECT, JOIN, GROUP BY, and PROJECT operation of the query will be executed by Informix database server, and the OLAPexpressions are evaluated by Informix Warehouse Accelerator (IWA).

Answer: C

QUESTION NO: 42

Which statement accurately describes the selective row-level auditing feature in Informix?

- A.** Auditing can be configured so that row-level events of only selected views are recorded in the audit trail.
- B.** Auditing can be configured so that row-level events of only selected tables are recorded in the audit trail.
- C.** Auditing can be configured so that events of only selected rows within a table are recorded in the audit trail.
- D.** Auditing can be configured so that row-level events of only selected partitions are recorded in the audit trail.

Answer: B

QUESTION NO: 43

Which statement describes the behavior of an Informix instance when the IFX_EXTEND_ROLE configuration parameter is set to ON.

- A. All users with the EXTEND role can grant it to other users.
- B. All users with the default role can register external routines.
- C. All users can create external routines in the database server.
- D. All users with the EXTEND role can register external routines.

Answer: D

QUESTION NO: 44

What security role is required for you to create trusted-context objects?

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

Answer: D

QUESTION NO: 45

Which two technologies use the ENCRYPT_MAC configuration parameter to control the level of message authentication code (MAC) generation? (Choose two.)

- A. On-disk encryption
- B. Enterprise Replication
- C. Column level encryption
- D. High-Availability Data Replication
- E. Server-to-server distributed query communication

Answer: B,D

QUESTION NO: 46

Which is a valid Pluggable Authentication Module (PAM) mode in Unix?

- A. Login mode
- B. Client mode
- C. Server mode
- D. Password mode

Answer: D

QUESTION NO: 47

Which statement accurately describes the mapped user functionality in Informix?

- A. The DBSA can control the access to the database at the table level by creating different security labels for each user.
- B. The DBSA can create different roles for each user in order to verify whether the user who is attempting an operation has the necessary privileges.
- C. The DBSA can configure the server to allow database access by external users who do not have operating system accounts on the host computer.
- D. The DBSA can grant access to the database server to users of the host computer operating system by implementing different authentication mechanisms for each user.

Answer: C

QUESTION NO: 48

store1, store2, store3 and store4 are defined as four servers participating in a GRID.

```
cdr define region --grid=grid1 rregion1 store3 store4
```

```
SET ENVIRONMENT GRID_NODE_SKIP ON  
SET ENVIRONMENT SELECT_GRID_ALL region1;
```

```
SELECT fname[1,10], lname[1,10], ifx_node_id() AS storenum,  
SUM(quantity) AS tot_cnt, SUM(total_price) AS tot_amt  
FROM items i, orders o, customer c  
WHERE i.order_num = o.order_num  
AND o.customer_num = c.customer_num  
GROUP BY 2,1  
ORDER BY 2,1,3;
```

Which statement is true?

- A. The SELECT query is not a GRID query.
- B. The SELECT query will return results from all grid servers.
- C. The SELECT query will return results from store1 and store2.
- D. The SELECT query will return results from store3 and store4.

Answer: D

QUESTION NO: 49

Which value of DRINTERVAL should be used for HDR_TXN_SCOPE configuration parameter to take effect?

- A. -1
- B. 0
- C. 1
- D. 30

Answer: B

QUESTION NO: 50

Which statement is true for starting Connection Manager?

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