QUESTION NO: 1

How is the Query Workload Tuner license installed and enabled?

A. With Data Studio, using the license activation kit.

B. By executing the db2licm command after data server installation.

C. With the Optim Performance Manager Server, using the license activation kit.

D. By running the Query Workload Tuner license activation command on the appropriate WebSphere server.

Answer: A

QUESTION NO: 2

If the DB2_WORKLOAD registry variable has not been set which database manager configuration parameter must be modified, before a query that accesses a column-organized table can be executed?

A. INTRA_PARALLEL

B. QUERY_HEAP_SZ

C. MAXIMUM DEGREE

D. SHEAPTHRES SHR

Answer: A

QUESTION NO: 3

If the following commands are executed successfully:

```
CREATE DATABASE my_db ON /mnt/fs1, mnt/fs2 PAGESIZE 4096;
UPDATE DB CFG FOR my_db USING EXTENDED_ROW_SZ ENABLE;
```

Which SQL statement will fail?

A. CREATE TABLE tab_a (col1 INT NOT NULL, col2 VARCHAR(5000))
ORGANIZE BY (col1)

B. CREATE TABLE tab_a (col1 INT NOT NULL, col2 VARCHAR(5000))

C. CREATE TABLE tab_a (col1 INT NOT NULL, col2 VARCHAR(5000))
ORGANIZE BY KEY SEQUENCE (col1 STARTING FROM 1 ENDING AT 100000)
ALLOW OVERFLOW

D. CREATE TABLE tab_a (col1 INT NOT NULL, col2 VARCHAR(5000))
PARTITION BY RANGE (col1) (STARTING 0 EXCLUSIVE ENDING 100 INCLUSIVE)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: C

QUESTION NO: 4

Which command, when executed, will enable workload management for column-organized table workloads?

A. db2setDB2_WORKLOAD=ANALYTICS

B. db2set DB2_WLM_DISP_CONCUR=START

C. UPDATE DBM CFG USING WLM_DISPATCHER YES

D. UPDATE DBM CFG USING WORKLOAD TYPE ANALYTICAL

Answer: C

QUESTION NO: 5

If the DB2_WORKLOAD registry variable is set to ANALYTICS, what value will be assigned to the DFT_DEGREE database configuration parameter, by default?

A. -1

B. 1

C. ON

D. ANY

Answer: A

QUESTION NO: 6

By default, the Optim Workload Table Organization Advisor will recommend converting row-organized tables to column-organized tables if it determines that the change will improve query performance, as a whole, by how much?

A. 15 percent

B. 20 percent

C. 25 percent

D. 30 percent

Answer: B

QUESTION NO: 7

What formula can be used to determine the average number of column-organized pages found in each read request?

A. POOL_COL_READS/ POOL COL READ REQS

B. POOL_COL_P_READS/ POOL COL P READ REQS

C. POOL_ASYNC_COL_READS/ POOL ASYNC COL READ REQS

D. POOL ASYNC COL P READS/POOL ASYNC COL P READ REQS

Answer: A

QUESTION NO: 8

Which two sources can be used to provide input to the InfoSphere Optim Query Workload Tuner that generate EXPLAIN information when creating the query workload?

A. db2pd

B. Routines

C. EXPLAIN tables

D. Snapshot monitor

E. ACTIVITIES event monitors

Answer: C,D

QUESTION NO: 9

Which type of compression is typically used with column-organized tables?

A. BLU compression

B. Value compression

C. Actionable compression

D. Adaptive row compression

Answer: A

QUESTION NO: 10

Which statement about column-organized tables is true?

A. Databases with column-organized tables can be federated.

B. Schemas that include column-organized tables can be transported.

C. Sort memory can be automatically tuned in environments containing column-organized tables.

D. Queries that use the Currently Committed semantics can be used with column-organized tables.

Answer: A

QUESTION NO: 11

What does the monitor element POOL_FAILED_ASYNC_TEMP_COL_REQS track?

A. The number of times an attempt to queue a column-organized prefetch request for temporary table spaces was made but failed.

B. The number of times a temporary error occurred while trying to queue a column-organized prefetch request for a regular table space.

C. The number of times DB2 had to retrieve a page from disk for a temporary column-organized table because the page no longer resided in the buffer pool.

D. The number of times an asynchronous read request failed when attempting to read temporary column-organized data from the buffer pool after the page had been flushed to disk.

Answer: B

QUESTION NO: 12

Which command would be used to finish a rolling FixPack update to a two member DB2 pureScale cluster?

A. db2iupdt-a

B. db2iupdt-update

C. db2iupdt-commit_level

D. db2iupdt-online_update

Answer: B

QUESTION NO: 13

What is a DB2 Advanced Copy Services (ACS) script used for?

A. To install and configure DB2 Advanced Copy Services.

B. To redirect Tivoli Storage FlashCopy Manager commands to DB2 Advanced Copy Services.

C. To test the functionality of a DB2 ACS API vendor library without performing a snapshot backup or restore operation.

D. To perform snapshot backup and restore operations on storage devices that do not have a DB2 ACS API vendor library.

Answer: C

QUESTION NO: 14

Which two HADR synchronization modes are supported in DB2 10.5 pureScale environments?

A. SYNC

B. ASYNC

C. NEARSYNC

D. SUPERSYNC

E. SUPERASYNC

Answer: B,C

QUESTION NO: 15

Which statement about Explicit Hierarchical Locking (EHL) for DB2 pureScale is true?

A. EHL is enabled by default in DB2 10.5 pureScale environments.

B. There are three EHL states available: SHARED, DIRECT_ACCESS and NONSHARED.

C. Only regular tables, temporary tables, and non-partitioned indexes can take advantage of EHL.

D. EHL is designed to improve DB2 pureScale performance by avoiding CF communications for tables that are accessed from only one member.

Answer: A

QUESTION NO: 16

What will cause the creation of a column-organized table to fail?

A. Setting the database code set to UNICODE.

B. Setting the DFT_DEGREE database configuration parameter to ANY.

C. Setting the AUTO_RUNSTATS database configuration parameter to ON.

D. Setting the UTILJHEAP_SZ database configuration parameter to at least 1.000,000 pages.

Answer: C

QUESTION NO: 17

Which statement about expression-based indexes is true?

A. The RUNSTATS command cannot be used to collect statistics for expression-based indexes.

B. Expression-based indexes must always be defined as UNIQUE to prevent duplicate index keys.

C. Expression-based index keys consist of a concatenation of one or more specified table columns.

D. The index key values of expression-based indexes are not the same as the values in the corresponding table columns.

Answer: D

QUESTION NO: 18

In which type of database are column-organized tables supported?

A. Partitioned databases.

B. DB2 pureScale databases.

C. Databases whose code set is Unicode.

D. Databases whose code set is Non-Unicode.

Answer: A

QUESTION NO: 19

An expression-based index named EMPJND1 and a statistical view named EMP_IND1_V have been created for a table named EMPLOYEE.

If the following command is used to set up a statistics profile on the statistical view EMP_IND1_V:

RUNSTATS ON VIEW emp_ind1_v WITH DISTRIBUTION DEFAULT UM_FREQVALUES 50 SET PROFILE ONLY

Which command will create a statistics profile on the EMPLOYEE table?

A. RUNSTATS ON TABLE employee USE PROFILE B. RUNSTATS ON TABLE employee USE SAMPLED INDEX emp_ind1

C. RUNSTATS ON TABLE employee WITH DISTRIBUTION AND SAMPLED DETAILED INDEXES ALL

D. RUNSTATS ON TABLE employee WITH DISTRIBUTION AND SAMPLED INDEX emp_ind1 GENERATE PROFILE

Answer: C

QUESTION NO: 20

When does space reclamation for a column-organized table normally occur?

A. Whenever an individual row is deleted.

B. Whenever an individual row is updated.

C. After all rows in an extent have been updated.

D. After all rows in an extent where updates took place have been deleted.

Answer: A

QUESTION NO: 21

What are the correct steps to capture EXPLAIN information for column-organized tables?

A. 1. Issue the query against column-organized tables

2. Execute the db2exfmt command

B. 1. Execute the command CURRENT EXPLAIN MODE YES

2.Issue the query against column-organized tables

3.Execute the db2exfmt command

C. 1. Set the ENABLE_COLUMN_TABLES registry variable to YES

2.Issue the query against column-organized tables

3.Execute the db2exfmt command

D. 1. Set the ENABLE_COLUMN_TABLES registry variable to YES

2.Execute the command CURRENT EXPLAIN MODE YES

3.Issue the query against column-organized tables

4.Execute the db2exfmt command

Answer: D

QUESTION NO: 22

If Self Tuning Memory Manager (STMM) is enabled for a DB2 10.5, FixPack 1 pureScale database, which two capabilities are available?

A. Multi-tenancy

B. Workload consolidation

C. Independent tuning member

D. Broadcasting STMM tuning decisions to all members

E. Single INSTANCE_MEMORY instance configuration memory setting

Answer: D,E

QUESTION NO: 23

Which monitoring function can be used to determine how many times an SQL statement has referenced a particular column-organized table within a specific period of time?

A. MON_GET_TABLE()

B. MON_GET_TABLESPACE()

C. MON_GET_UNIT_OF_WORK()

D. MON_GET_TABLE_USAGE_LIST()

Answer: A

QUESTION NO: 24

What happens when the STATISTICS USE PROFILE option is provided with a LOAD command that will be used to populate a column-organized table and a statistics profile does not exist?

A. A warning is returned and no statistics are collected.

B. An error is returned and the table is placed in "load pending" state.

C. A statistics profile is automatically generated before the load is allowed to continue.

D. The Load utility uses the same RUNSTATS command options as those used during an automatic runstats operation.

Answer: C

QUESTION NO: 25

When the DB2_COMPATIBILITY_VECTOR registry variable is set to ORA, what is the maximum row width size for database tables?

A. 32 KB

B. 64 KB

C. 1MB

D. 2 MB

Answer: B

QUESTION NO: 26

When can a high availability disaster recovery (HADR) role switch operation be performed in a DB2 pureScale environment?

A. When crash recovery is occurring on the standby cluster.

B. When all the log streams are in peer or assisted remote catchup state.

C. When the primary database is not connected to the standby database.

D. All the log streams are in remote catchup state and the synchronization mode is NEARASYNC.

Answer: D

QUESTION NO: 27

What type of table can be converted into a column-organized table with the db2convert command?

A. A range partitioned table

B. A materialized query table

C. A row-organized user table

D. A declared global temporary table

Answer: A

QUESTION NO: 28

Which statement regarding NOT ENFORCED unique constraints is true?

A. NOT ENFORCED unique constraints enforce uniqueness only for primary key columns.

B. The query optimizer will consider a NOT ENFORCED unique constraint when selecting the optimal data access plan.

C. Storage requirements for NOT ENFORCED unique constraints are identical to storage requirements for a unique index.

D. When attempting to insert data that does not conform to the NOT ENFORCED unique constraint, an error will be returned and the record will not be inserted.

Answer: A

QUESTION NO: 29

Which type of compression is NOT provided as part of the DB2 Storage Optimization Feature?

A. Row compression

B. Index compression

C. Backup compression

D. Temporary table compression

Answer: C

QUESTION NO: 30

Which scenario does NOT require intraquery parallelism?

A. The execution of the LOAD command against an empty column-organized table.

B. A DML operation that references a populated column-organized table.

C. The execution of the RUNSTATS command against a populated column-organized table.

D. The addition of a primary key constraint to an empty column-organized table.

Answer: D