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Vendor: IBM

Exam Code: 000-612

Exam Name: IBM Certified Database Administrator - DB2
10 for z/OS

Version: Demo

QUESTION NO: 1

Workload Manager (WLM) manages how many concurrent stored procedures can run in an address space and the number of concurrent stored procedures in an address space cannot exceed the value of the NUMTCB parameter. Which statement about the value of NUMTCB is correct?

- A. NUMTCB parameter must be set to 1 for Java stored procedures.
- B. NUMTCB parameter must be set to 1 for REXX stored procedures.
- C. NUMTCB parameter can be a value greater than 1 for native SQL stored procedures.
- D. NUMTCB parameter can be a value greater than 1 when a stored procedure invokes DB2 utilities.

Answer: B

QUESTION NO: 2

If a single row of the PLAN_TABLE has a 'Y' value in more than one of the sort composite columns, what is indicated?

- A. The next sort step will perform two sorts.
- B. There are multiple sorts in the plan step.
- C. One sort in the plan step will accomplish two tasks.
- D. Two sorts are performed on the new table of a star join.

Answer: C

QUESTION NO: 3

What IBM provided stored procedure will access DB2 real time statistics tables?

- A. DSNAEXP
- B. DSNAIMS
- C. DSNACCOX
- D. DSNLEUSR

Answer: C

QUESTION NO: 4

The EXPLAIN STMTCACHE ALL statement provides information about SQL tuning. Which information is part of the DSN_STATEMENT_CACHE_TABLE?

- A. Filter factor information.
- B. Stage 1 and stage 2 information.
- C. Number of columns used in an index.
- D. Number of times an SQL statement is executed.

Answer: D

QUESTION NO: 5

Which two of the following DB2 performance features will ignore clustering in favor of faster insert performance? (Choose two.)

- A. Append
- B. Inline LOBs
- C. Member cluster
- D. Volatile table
- E. Include columns

Answer: A,C

QUESTION NO: 6

When is a merge scan join a well performing access path?

- A. When the number of qualifying rows of the inner and outer table are both large.
- B. When the query references at least two dimensions and the STARJOIN subsystem parameter is 1.
- C. When the number of rows in the outer table is small and the number of pages accessed in the inner table is small.
- D. When the matching columns of the inner table are in a non-clustering index or the outer table

Answer: A

QUESTION NO: 7

What trace class will show deadlock information?

- A. Audit class 3.
- B. Statistic class 3.
- C. Accounting class 1.
- D. Performance class 8.

Answer: B

QUESTION NO: 8

Which DSNZPARM will define the number of RID Blocks in the RID Pool?

- A. NUMTCB
- B. MAXRBLK
- C. CONDBAT
- D. URLGWTH

Answer: B

QUESTION NO: 9

When DB2 detects at runtime requiring a large amount of data to be read, which prefetch method is used more often?

- A. List prefetch
- B. Dynamic prefetch
- C. Sequential prefetch
- D. Skip sequential prefetch

Answer: B

QUESTION NO: 10

In order to retain an access path across a rebind which of the following commands could be used?

- A. BIND PLAN
- B. REBIND PACKAGE(PK1) REOPT(ONCE)
- C. BIND PACKAGE (PK1) EXPLAIN(YES)
- D. REBIND PACKAGE (PK1) PLANMGMT(BASIC)

Answer: D

QUESTION NO: 11

The available window to reorganize table spaces is being reduced. What data can provide information to allow for a priority list of candidate table spaces for reorganization based on recent activity with no recent RUNSTATS execution?

- A. SYSIBM.SYSCOPY
- B. SYSIBM.SYSTABLES
- C. SYSIBM.SYSINDEXES
- D. SYSIBM.SYSTABLESPACESTATS

Answer: D

QUESTION NO: 12

Which DB2 trace is utilized to capture overall subsystem virtual memory consumption?

- A. The DB2 audit trace.
- B. The DB2 statistics trace.
- C. The DB2 connection trace.
- D. The DB2 accounting trace.

Answer: B

QUESTION NO: 13

What is a consideration when specifying DATA CAPTURE CHANGES?

- A. Can be specified for capturing changes to an XML object.
- B. To minimize logging, specify NOT LOGGED when DATA CAPTURE CHANGES is specified.
- C. REFRESH TABLE statement is not allowed with a table defined with DATA CAPTURE CHANGES.
- D. You cannot turn on DATA CAPTURE CHANGES if the table space is in advisory REORG- pending.

Answer: D

QUESTION NO: 14

In using plan stability, what storage space requirement should be of carefully monitored?

- A. MINSTOR
- B. DSNDB07
- C. DSNDB01.SPT01
- D. DSN_STATEMNT_TABLE

Answer: C

QUESTION NO: 15

What two parameters allow DB2 to keep a copy of a dynamically prepared statement in the cache?

- A. KEEPDYNAMIC=YES and CACHEDYN=YES
- B. KEEPDYNAMIC=NO and CACHEDYN=NO
- C. KEEPDYNAMIC=NO and REOPT(ALWAYS)
- D. KEEPDYNAMIC=YES and REOPT(ALWAYS)

Answer: A

QUESTION NO: 16

What START TRACE command provides detailed lock suspend and lock contention trace information?

- A. START TRACE(AUDIT)
- B. START TRACE(STATS) CLASS(1)
- C. START TRACE(PERFM) CLASS(30) IFCID(44,45)
- D. START TRACE(ACCTG) CLASS(1,2,3) DEST(SMF)

Answer: C

QUESTION NO: 17

When converting a multiple table segmented table space to partition-by-growth table spaces, which statement is correct?

- A. DSMAX may have to be increased.
- B. Storage requirements for EDMDBDC will decrease.
- C. Storage requirements for some applications will increase.
- D. The dynamic statement cache should be increased to handle the additional SQL statements.

Answer: A

QUESTION NO: 18

What would be a reason for altering the clustering index of a table?

- A. To increase free space.
- B. Because the clustering index has to match the primary index.
- C. To choose a clustering index to favor batch sequential processing.
- D. To choose a clustering index to promote sequential inserts at the end of the table space.

Answer: C

QUESTION NO: 19

What is the DSNZPARM that determines the maximum amount of temporary storage in the work file data base for a single user at any given time?

- A. MAXRBLK
- B. MAXDBAT
- C. MAXKEEPD
- D. MAXTEMPS

Answer: D

QUESTION NO: 20

In the CFRM policy, what is the purpose of the PREFLIST?

- A. To identify the size of the structure.
- B. To identify all the DB2 members in the group.
- C. To identify the preferences for DB2 restart in the event of a disconnection.
- D. To identify the preferences for structure rebuild/reallocation during a coupling facility failure.

Answer: D

QUESTION NO: 21

What DB2 command when issued displays what migration mode the catalog is in?

- A. DSNC DISPLAY
- B. DISPLAY GROUP
- C. MODIFY irImproc,STATUS
- D. DISPLAY DATABASE (DSNDB06)

Answer: B

QUESTION NO: 22

Which authority level allows a user to run utilities that change the data in an application database?

- A. DBCTRL
- B. SYSOPR
- C. DBMAINT
- D. INSTALL SYSOPR

Answer: A

QUESTION NO: 23

Which trace gives information about frequent log space shortages?

- A. Audit trace class(8)
- B. Statistics trace class(3)
- C. Accounting trace class(10)
- D. Performance trace class(4)

Answer: B

QUESTION NO: 24

When creating a stored procedure that will access non DB2 resources using the authorization ID of the user invoking the stored procedure, what value must the SECURITY clause specify?

- A. DB2
- B. RACF
- C. USER
- D. DEFINER

Answer: C

QUESTION NO: 25

Row and column level security can be implemented using mask and permissions. Which two DB2 authorities are able to create a mask or permission? (Choose two.)

- A. SECADM authority.
- B. ACCESSCTRL authority.
- C. DATAACCESS authority.
- D. SYSADM authority when SEPARATE_SECURITY=NO.
- E. The owner of the object as he/she has that authority implicitly.

Answer: A,D

QUESTION NO: 26

Which connection type can exploit trusted connections?

- A. IMS
- B. CAF
- C. CICS
- D. RRSF

Answer: D

QUESTION NO: 27

What should be implemented in order to audit all the activity of the install SYSADM?

- A. DATA CAPTURE CHANGES should be set on all tables.
- B. A DB2 audit policy should be established, identifying the SYSADM ID to be audited.
- C. The DB2 authorization exit should be modified to convert the install SYSADM ID to another ID.
- D. Nothing can be done, the install SYSADM has the highest authority and is not controlled or monitored.

Answer: B

QUESTION NO: 28

Which attribute(s) determine the absolute maximum number of partitions for a partition-by-growth table space?

- A. MAXPARTITIONS
- B. MAXPARTITIONS, DSSIZE
- C. MAXPARTITIONS, page size
- D. MAXPARTITIONS, DSSIZE, page size

Answer: D

QUESTION NO: 29

Which ALTER TABLE statement will generate a new table space version?

- A. ALTER TABLE ... ADD PARTITION ...
- B. ALTER TABLE ... ADD COLUMN COL2 ...
- C. ALTER TABLE ... DATA CAPTURE CHANGES ...
- D. Altering an already existing VARCHAR column on the table to shorten its maximum length.

Answer: B

QUESTION NO: 30

Given that the following table (TB1) has been created with this statement: CREATE TABLE TB1 (COLA SMALLINT NOT NULL WITH DEFAULT ,COLB CHAR(5) NOT NULL WITH DEFAULT) IN DB1.TS1; Which of the following statements, which alter a table (TB1), will NOT invalidate all the plans, packages and dynamic cache statements associated with the table TB1?

- A. ALTER TABLE TB1 AUDIT CHANGES;
- B. ALTER TABLE TB1 ADD COLUMN COLC DATE;
- C. ALTER TABLE TB1 RENAME COLUMN COLA TO COLC;
- D. ALTER TABLE TB1 ADD COLUMN COLC CHAR(8) NOT NULL WITH DEFAULT AS

Answer: B

QUESTION NO: 31

When defining a foreign key on a table, which statement is true?

- A.** It is not mandatory to have an index on the foreign key columns but it can help to avoid locking problems.
- B.** There is no need to define an index on the foreign key columns as DB2 cannot use an index for foreign key checking.
- C.** It is not mandatory to have an index on the foreign key columns but it can help performance when you insert rows into this table.
- D.** You must define an index on the foreign key columns where the index columns are the same as the foreign key columns to guarantee uniqueness of the foreign key.

Answer: A

QUESTION NO: 32

If a ROWID column is defined on a table as GENERATED BY DEFAULT, what must also be done?

- A.** Nothing because DB2 will control the values.
- B.** A unique index must be defined on the ROWID column.
- C.** An identity column must also be created to control uniqueness.
- D.** Extra space must be allocated for an overflow area in the table space.

Answer: B

QUESTION NO: 33

On what type of index would an ALTER INDEX ADD COLUMN be allowed?

- A. An XML index.
- B. An auxiliary index.
- C. A user defined catalog index.
- D. An index defined with BUSINESS_TIME WITHOUT OVERLAPS.

Answer: C

QUESTION NO: 34

In a normalized design, in third normal form, the entity defined in the logical design is often transformed in the physical design to which of the following?

- A. Index
- B. Table
- C. Schema
- D. Database

Answer: B

QUESTION NO: 35

If SEGSIZE 64 and MAXPARTITIONS 10 are specified in a CREATE TABLESPACE statement, what type of table space is created?

- A. LOB table space.
- B. Segmented table space.
- C. Range-partitioned table space.
- D. Partition-by-growth table space.

Answer: D

QUESTION NO: 36

A single table should allow for up to 100 Terabytes of application data. How do you design your table space?

- A. A segmented compressed table space, BUFFERPOOL BP0.
- B. A LOB table space with DSSIZE 64GB, BUFFERPOOL BP8K0.
- C. A table space with NUMPARTS 1024, DSSIZE 64G, BUFFERPOOL BP16K0.
- D. A table space with MAXPARTITIONS 2048, DSSIZE 64G, BUFFERPOOL BP32K.

Answer: D

QUESTION NO: 37

For which table type could you specify ALTER TABLE tb1 DATA CAPTURE CHANGES?

- A. Catalog tables
- B. Directory tables
- C. Auxiliary tables
- D. Declared global temporary tables

Answer: A

QUESTION NO: 38

When a table space defined as both partitioned-by-growth (PBG) and MEMBER CLUSTER YES is altered to MEMBER CLUSTER NO by the ALTER TABLESPACE command. Which statement is correct?

- A. DB2 does not allow the command.
- B. DB2 applies the changes immediately.
- C. DB2 allows the command only if the table is empty.
- D. DB2 places the table space in AREOR (Advisory Reorg).

Answer: D

QUESTION NO: 39

Given the following statements have been run successfully and the buffer pools BP1 and BP2 both have the same page size: CREATE TABLESPACE TS1 IN DB1 DEFINE YES BUFFERPOOL BP1 MAXPARTITIONS 15 MEMBER CLUSTER ; CREATE TABLE TB1 (COL1 INT NOT NULL

WITH DEFAULT) IN DB1.TS1 ; COMMIT ; ALTER TABLESPACE TS1 BUFFERPOOL BP2 MAXPARTITIONS 20 ; What is the next logical step in the sequence to CREATE an index IX1 on COL1 on TB1?

- A. ALTER TABLESPACE TS1 MAXPARTITIONS 15;
- B. COMMIT;
- C. CREATE INDEX IX1 ON TB1 (COL1);
- D. REORG TABLESPACE TS1;

Answer: C

QUESTION NO: 40

The following SQL statement is issued: SELECT col1 FROM tb1 ORDER BY col1 ASC
The following results are received: 1111 AAAA Which statement is true?

- A. The encoding scheme of the table is EBCDIC.
- B. The encoding scheme of the table is UNICODE.
- C. This could never happen, this is an error and must be reported.
- D. This is expected behavior and independent of the encoding scheme.

Answer: B

QUESTION NO: 41

The following DDL statements are executed to create the following objects: CREATE TABLESPACE TS1 BUFFERPOOL BP0 IN DB1; CREATE TABLE USER1.TB1 (COL1 INTEGER, COL2 VARCHAR(10)) IN DB1.TS1; CREATE INDEX USER1.IX1 ON USER1.TB1 (COL2) BUFFERPOOL BP0 COPY YES; Next, the following ALTER statements are done (in order): 1) ALTER TABLESPACE DB1.TS1 BUFFERPOOL BP8K0 MAXPARTITIONS 20; 2) ALTER TABLESPACE DB1.TS1 SEGSIZE 64; 3) ALTER INDEX USER1.IX1 BUFFERPOOL BP16K0; Which of the following will materialize all of the changes with the least amount of work?

- A. Nothing needs to be done.
- B. REORG INDEX USER1.IX1 SHRLEVEL CHANGE
- C. REORG TABLESPACE DB1.TS1 SHRLEVEL REFERENCE

D. REORG TABLESPACE DB1.TS1 SHRLEVEL REFERENCE

REORG INDEX USER1.IX1 SHRLEVEL CHANGE

Answer: C

QUESTION NO: 42

A unique index (IX1) currently exists on COL1, COL2 and COL3 of the table. There is a request to be able to have an index on these three columns and COL4 to achieve the optimal access path. The addition of COL4 will not support the uniqueness requirement of the index. In order to add this column to the index while still preserving the unique constraint of the first three columns, which option should be taken?

- A. Add a new index on COL4.
- B. Perform a ALTER INDEX IX1 ADD COLUMN (COL4).
- C. Add a new UNIQUE index on COL1, COL2, COL3, COL4.
- D. Perform an ALTER INDEX IX1 ADD INCLUDE COLUMN (COL4).

Answer: D

QUESTION NO: 43

Which stored procedures need to be set up properly in order to register an XML schema?

- A. XSR_ADD_SCHEMA
- B. XSR_REGISTER and XSR_COMPLETE
- C. XSR_REGISTER, XSR_VALIDATE and XSR_COMPLETE
- D. The commands to register a XML schema do not invoke stored procedures.

Answer: B

QUESTION NO: 44

You have to design a table and application layout, in which automatic number generation is used. The application also wants to assign database generated numbers in an SQL UPDATE statement. Which statement is true?

- A. Neither Identity nor Sequence can deliver this functionality.
- B. Identity can deliver this functionality, but Sequence cannot.
- C. Identity cannot deliver this functionality, but Sequence can.
- D. Identity and Sequence can both deliver this functionality.

Answer: C

QUESTION NO: 45

Given the following view definition: CREATE VIEW EMPD AS (SELECT D.DEPTNAME, E.LASTNAME FROM DEPT D INNER JOIN EMP E ON D.DEPTNO = E.WORKDEPT); Can an UPDATE statement be used to update the view EMPD on joined tables DEPT and EMP?

- A. No, an UPDATE statement against the EMPD view is not allowed at all.
- B. Yes, the view EMPD can be updated directly via an UPDATE statement.
- C. No, only a clone of the view EMPD can be updated via an UPDATE statement.
- D. Yes, an UPDATE statement against the EMPD view is allowed if an INSTEAD OF trigger is defined on the view.

Answer: D

QUESTION NO: 46

Which statement is true about table check constraints?

- A. Only one constraint per column is allowed.
- B. The LOAD utility cannot enforce the constraint.
- C. A constraint placed on a table does not apply to a view defined on the table.
- D. A row meets the requirement of the constraint if the condition evaluates to true or unknown.

Answer: D

QUESTION NO: 47

You have to design a numeric column, which is also the primary key. The column should cover large (i.e., 123456789012345678) numbers. Which column data definition covers the

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