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Exam : 000-611

**Title : DB2 10.1 DBA for Linux,
UNIX, and Windows**

Version : V8.02

1. Due to a hardware failure, it appears that there may be some corruption in database DB_1 as DB2 is reporting a "bad page". DB2DART is performed for the entire database and it appears that several bad pages were detected in table space TBSP_1.

What command can be used to recover the database and repair the corruption in table space TBSP_1?

- A. RESTART DATABASE
- B. RECOVER DATABASE
- C. RESTORE TABLESPACE
- D. ROLLFORWARD DATABASE

Answer: B

2. If a single node database is actively being used by applications when a power failure occurs, what method is used to bring the database back to a consistent state once power has been restored.?

- A. Crash recovery
- B. Version recovery
- C. Disaster recovery
- D. Roll-forward recovery

Answer: A

3. You have an High Availability and Disaster Recovery (HADR) environment set up and you want to read from the standby database. What must you do?

- A. Assign the value ON to the DB2_HADR_ROS registry variable.
- B. Assign the value ON to the DB2_HADR_SNAP registry variable.
- C. Execute the STOP HADR command to temporarily break the HADR connection to the standby.
- D. Execute the TAKEOVER HADR command to instruct the standby database to takeover as the new primary database.

Answer: A

4. Which command can be used to restore a corrupted database using only the recovery history file?

- A. RESTART DATABASE
- B. RECOVER DATABASE
- C. RESTORE DATABASE
- D. ROLLFORWARD DATABASE

Answer: B

5. What is the correct procedure for recovering a dropped table when DROPPED TABLE RECOVERY has been enabled and the database must remain online?

- A. Run the RECOVER DATABASE command with the RECOVER DROPPED TABLE option to restore the database and recover the dropped table.
- B. Run the RECOVER DATABASE command with the RECOVER DROPPED TABLE option to restore the appropriate table space and recover the dropped table.
- C. Restore the database from a backup image that was taken before the table was dropped; run the ROLLFORWARD DATABASE command with the RECOVER DROPPED TABLE option to restore the database and recover the dropped table.
- D. Restore the appropriate table space from a backup image that was taken before the table was dropped;

run the ROLLFORWARD DATABASE command with the RECOVER DROPPED TABLE option to restore the appropriate table space and recover the dropped table.

Answer: D

6.Which command will define the alternate diagnostic data directory path as /db2data/db2dump2?

- A. db2set ALT_DIAGPATH=/db2data/db2dump2
- B. db2set SECONDARY_DIAGPATH=/db2data/db2dump2
- C. UPDATE DBM CFG USING ALT_DIAGPATH /db2data/db2dump2
- D. UPDATE DBM CFG USING SECONDARY_DIAGPATH /db2data/db2dump2

Answer: C

7.What is the MAX_LOG database configuration parameter used for?

- A. To limit how many log files a single transaction can span.
- B. To limit the percentage of primary log space a running transaction can consume.
- C. To limit the total number of primary and secondary log files a database can consume.
- D. To limit the total number of secondary log files a transaction can consume before infinite logging is enabled.

Answer: B

8.What unit of measurement is used to represent the cumulative total cost of a node in a Visual Explain access plan diagram?

- A. CPU cycles
- B. Elapsed time, in milliseconds
- C. Processing instructions performed
- D. Timerons

Answer: D

9.In IBM Data Studio, where can you schedule script-based jobs?

- A. Job Console
- B. Job Manager
- C. Task Manager
- D. Utilities Console

Answer: B

10.The values of the automatic maintenance database configuration parameters for a database named SAMPLE are as follows:

Automatic maintenance	(AUTO_MAINT) = ON
Automatic database backup	(AUTO_DB_BACKUP) = OFF
Automatic table maintenance	(AUTO_TBL_MAINT) = OFF
Automatic runstats	(AUTO_RUNSTATS) = OFF
Real-time statistics	(AUTO_STMT_STATS) = OFF
Statistical views	(AUTO_STATS_VIEWS) = OFF
Automatic sampling	(AUTO_SAMPLING) = OFF
Automatic statistics profiling	(AUTO_STATS_PROF) = OFF
Statistics profile updates	(AUTO_PROF_UPD) = OFF
Automatic reorganization	(AUTO_REORG) = ON

What commands must be run to enable real-time statistics collection on the SAMPLE database?

- A. UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON; UPDATE DB CFG FOR sample USING AUTO_STMT_STATS ON;
- B. UPDATE DB CFG FOR sample USING AUTO_TBL_MAINT ON; UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON; UPDATE DB CFG FOR sample USING AUTO_STMT_STATS ON;
- C. UPDATE DB CFG FOR sample USING AUTO_TBL_MAINT ON; UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON; UPDATE DB CFG FOR sample USING AUTO_STATS_VIEWS ON;
- D. UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON; UPDATE DB CFG FOR sample USING AUTO_STATS_VIEWS ON;

Answer: B

11.If the current value for self-tuning memory is: Self Tuning Memory (SELF_TUNING_MEM) = ON (Inactive) Which statement is true?

- A. Self-tuning is occurring only on the instance memory area.
- B. The memory tuner is actively tuning the memory on the system.
- C. Self-tuning is not occurring because it is waiting for the database to be recycled.
- D. Self-tuning is not occurring because there are less than two memory consumers enabled.

Answer: D

12.What are two types of security label components that can be used with Label-Based Access Control (LBAC)? (Choose two).

- A. Set
- B. Tree
- C. Group
- D. Range
- E. Hierarchy

Answer: A,B

13.Where are column mask definitions stored?

- A. In the table definition

- B. In the system catalog
- C. In the table space metadata
- D. In the database configuration file

Answer: B

14.Which statement is correct when describing trusted contexts?

- A. A trusted context defines a trust relationship for a connection between the database and an external entity.
- B. A trusted context promotes the authorization level of the connection initiator and grants them DBADM authority.
- C. A trusted context defines a trust relationship between a user and a table allowing that user additional capabilities.
- D. A trusted context gives the database connection the ability to bypass auditing since authentication has already occurred.

Answer: A

15.A table named SALES was created as follows:

```
CREATE TABLE sales
(sales_date  DATE WITH DEFAULT,
 sales_rep   INTEGER,
 sales_amt   DECIMAL(12, 2))
```

If management wants to use Label-Based Access Control (LBAC) to protect individual rows in the SALES table, and the security policy needed (SEC_POLICY) has already been created, what must be done to protect the table as desired?

- A. Associate the SEC_POLICY security policy with the SALES table.
- B. Add a column with the DB2SECURITYLABEL data type to the SALES table.
- C. Add a column with the DB2SECURITYLABEL data type to the SALES table and then associate the SEC_POLICY security policy with the table.
- D. Add a SECURED WITH clause to every column in the SALES table and then associate the SEC_POLICY security policy with the SALES table.

Answer: C

16.Which authorities can be audited with the AUDIT statement?

- A. SECADM, DBADM, SYSMANT, and SYSCTRL can be audited, but SYSADM cannot.
- B. SYSADM, DBADM, SYSMANT, and SYSCTRL can be audited, but SECADM cannot.
- C. SYSADM, SECADM, DBADM, SQLADM, ACCESSCTRL, and DATAACCESS can be audited.
- D. DBADM, SYSMANT, ACCESSCTRL, and DATAACCESS can be audited, but SYSADM and SECADM cannot.

Answer: C

17.Which authority is required to revoke SECADM authority?

- A. DBADM
- B. SECADM
- C. SYSADM

D. SQLADM

Answer: B

18.Which statement regarding SECADM authority is true?

- A. The instance owner has SECADM authority by default.
- B. PUBLIC cannot receive SECADM authority, either directly or indirectly.
- C. Only users with SECADM authority are allowed to grant the CONNECT database authority to others.
- D. The SECADM_GROUP database manager configuration parameter determines who has SECADM authority by default.

Answer: B

19.What authorization is needed to execute the CREATE MASK statement?

- A. SECADM
- B. SQLADM
- C. SYSADM
- D. SYSCTRL

Answer: A

20.Which statement is correct for a user who holds SECADM authority?

- A. A user who holds SECADM authority can only grant and revoke database object privileges.
- B. A user who holds SECADM authority can grant and revoke all database level authorities and database object privileges.
- C. A user who holds SECADM authority can only grant and revoke DBADM and SECADM database level authorities.
- D. A user who holds SECADM authority can only grant and revoke label based access control (LBAC) security labels.

Answer: B

21.Which of the following table types is NOT supported by the load utility?

- A. A Temporal table
- B. A Range Partitioned table
- C. A Global Temporary table
- D. A Multidimensional Clustering table

Answer: C

22.Which data movement utility is suitable for moving and processing large amounts of real-time data without affecting availability?

- A. INGEST
- B. REPLICATION
- C. LOAD WITH READ ACCESS
- D. IMPORT WITH BUFFERED INSERT

Answer: A

23.What does the FLUSH PACKAGE CACHE statement do?

- A. It removes all dynamic SQL statements from the package cache.
- B. It removes only inactive SQL statements from the package cache.
- C. It saves dynamic SQL stored in the package cache to an external file.
- D. It causes all SQL statements in the package cache that are currently in use to be recompiled.

Answer: A

24.The following commands are executed against a database named MY_DB, which has been configured to use archival logging: Which statement is true?

```
BACKUP DATABASE my_db TO /mnt/bkups;  
CONNECT TO my_db;
```

```
LOAD CLIENT FROM /mnt/datafile.del OF DEL  
INSERT INTO t1  
NONRECOVERABLE;
```

- A. Upon completion of the Load, the table T1 is placed into "Backup Pending" state.
- B. Upon completion of the Load, a backup image of table T1 is automatically generated.
- C. After a Restore and Rollforward operation, table T1 would be marked unavailable and can only be dropped.
- D. After a Restore and Rollforward operation, the loaded data is stored into a copy-image file and table T1 is fully available.

Answer: C

25.Which statement about updating index statistics with the RUNSTATS command is true?

- A. It requires a full index scan.
- B. It can be accomplished by sampling the index.
- C. It must be executed against all indexes for the table.
- D. It cannot be accomplished without scanning the associated table.

Answer: B

26.What can be used to provide input to the Design Advisor?

- A. An XML file.
- B. A query workload file.
- C. The database configuration file.
- D. The database manager configuration file.

Answer: B

27.Which statement describes a way to minimize the impact of a RUNSTATS operation?

- A. Reduce I/O by using a shadow table space for statistics collection.
- B. Execute the RUNSTATS command with the WITH DISTRIBUTION option specified.
- C. Execute the RUNSTATS command with the DETAILED UNSAMPLED option specified.
- D. Limit the number of pages and rows processed by using page-level or row-level table sampling.

Answer: D

28.If the following command is executed:


```
LOAD CLIENT FROM /mnt/datafile.del  
OF DEL INSERT INTO schema6.t1  
FOR EXCEPTION schema2.e1  
ALLOW READ ACCESS
```

Which statement is true?

- A. Rejected records will be inserted into the table SCHEMA2.E1
- B. Any indexes defined on table SCHEMA6.T1 will be marked invalid upon completion of the Load.
- C. While the Load is executing, other transactions can both read and write into table SCHEMA6.T1
- D. If using a remote database connection, the file "/mnt/datafile.del" must be accessible to the database server host.

Answer: A

29.Which statement describes adaptive row compression?

- A. Adaptive compression allows for use of customized compression dictionary creation algorithms.
- B. Adaptive compression maintains a dynamic and ever changing table-level row compression dictionary.
- C. Adaptive compression incorporates both classic table-level row compression and page-by-page based row compression.
- D. Adaptive compression incorporates four compression approaches: tablespace-level, table-level, page-level, and bufferpool-level.

Answer: C

30.If the following statement is executed:

```
CREATE TABLE tab1  
(c1 DATE,  
 c2 INT,  
 c3 INT,  
 c4 DOUBLE,  
 c5 DOUBLE GENERATED ALWAYS AS (c3 + c4),  
 c6 INT GENERATED ALWAYS AS (MONTH(C1)))  
ORGANIZE BY DIMENSIONS (c2, c5, c6)
```

What indexes will be created for table TAB1?

- A. 1 dimension-block index and 1 composite-block index
- B. 1 dimension-block index and 3 composite-block indexes
- C. 3 dimension-block indexes and 1 composite-block index
- D. 3 dimension-block indexes and 3 composite-block indexes

Answer: C

31.Which statements will enable automatic storage in storage group SG_HOT for a given database managed table space MY_TS and remove all existing non-automatic storage containers from the table space?

- A. ALTER TABLESPACE my_ts MANAGED BY AUTOMATIC STORAGE;
ALTER TABLESPACE my_ts REBALANCE;
- B. ALTER TABLESPACE my_ts MANAGED BY DATABASE;
ALTER TABLESPACE my_ts MANAGED BY AUTOMATIC STORAGE;
ALTER TABLESPACE my_ts REBALANCE;

C. ALTER TABLESPACE my_ts MANAGED BY AUTOMATIC STORAGE USE STOGROUP sg_hot;
ALTER STOGROUP sg_hot DROP '/db2/filesystem1', '/db2/filesystem2';
ALTER TABLESPACE my_ts REBALANCE;
D. ALTER TABLESPACE my_ts MANAGED BY DATABASE USE STOGROUP sg_hot;
ALTER STOGROUP sg_hot DROP '/db2/filesystem1', '/db2/filesystem2';
ALTER TABLESPACE my_ts REBALANCE;

Answer: A

32.Which statement about range-clustered tables is true?

- A. Range-clustered tables can be used with the REORG utility.
- B. Range-clustered tables can be used with multiple-column keys.
- C. Range-clustered tables can be used in a DB2 pureScale environment.
- D. Range-clustered tables can be used with value and default compression.

Answer: B

33.Which tool can be used to mimic statistics for tables by gathering statistics from a production database and placing them into a test database?

- A. db2pd
- B. db2dart
- C. db2look
- D. db2mimic

Answer: C

34.You have just converted an existing database to an automatic storage database. What can you use to move data from an existing DMS table space to an automatic storage table space, while the data remains online and available for access?

- A. The db2move command
- B. The db2relocatedb command
- C. The ADMIN_MOVE_TABLE procedure
- D. The ADMIN_MOVE_TABLE_UTIL procedure

Answer: C

35.If an MQT named Q1_SALES was created as follows:

```
CREATE TABLE q1_sales AS
  (SELECT sales_amt FROM sales
   WHERE sales_date BETWEEN '01/01/2012' AND '03/31/2012')
DATA INITIALLY DEFERRED
REFRESH DEFERRED
ENABLE QUERY OPTIMIZATION
MAINTAINED BY SYSTEM
```

Which statement will execute successfully?

- A. DELETE FROM q1_sales
- B. REFRESH TABLE q1_sales
- C. INSERT INTO q1_sales VALUES(80.2)

D. ALTER TABLE q1_sales REFRESH IMMEDIATE

Answer: B

36. Table TAB1 was created as follows:

```
CREATE TABLE tab1
  (col1 INT,
   col2 INT)
  COMPRESS YES;
```

Which statement(s) should be used to create an index on column COL1 of table TAB1 that is enabled for compression?

- A. CREATE INDEX tab1_idx ON tab1(col1);
- B. CREATE INDEX tab1_idx ON tab1(col1); ALTER INDEX tab1_idx COMPRESS YES;
- C. CREATE INDEX tab1_idx ON tab1(col1); REORG INDEX tab1_idx FOR TABLE tab1;
- D. CREATE INDEX tab1_idx ON tab1(col1); ALTER INDEX tab1_idx COMPRESS YES; REORG INDEX tab1_idx FOR TABLE tab1;

Answer: A

37. Which statement about the ADMIN_MOVE_TABLE procedure is true?

- A. The ADMIN_MOVE_TABLE procedure immediately applies all changes that occur to data in the active (source) table during the move operation to the target table.
- B. The ADMIN_MOVE_TABLE procedure stores all changes that occur to data in the active (source) table during the move to a user-supplied staging table so they can be replayed against the target table when the move is complete.
- C. If the ADMIN_MOVE_TABLE procedure is used to move data in an active (source) table to a target table that was created beforehand, the target table is renamed (to the source table name) once the data has been copied into the target table.
- D. If the ADMIN_MOVE_TABLE procedure is invoked with the KEEP option specified, the active (source) table will be kept and if the target table is to be created automatically, a name that is different from that of the active table must be specified for the target table.

Answer: C

38. Which statement about Binary XML is FALSE?

- A. Binary XML format is only used for data transmission.
- B. Binary XML data refers to data that is in the XDBX format.
- C. Only textual XML data format is supported by Binary XML.
- D. The binary format provides a faster way to transmit and receive XML data.

Answer: C

39. Which XML format provides a faster way to transmit and receive XML data between Java pureXML applications and a DB2 server?

- A. String
- B. Binary
- C. Delimited ASCII
- D. Non-delimited ASCII

Answer: B

40. Given a system-period temporal table POLICY_INFO with its associated history table HIST_POLICY_INFO, which statement is true?

- A. When querying with a time period specification, only the HIST_POLICY_INFO table is queried.
- B. When querying with no time period specification, only the HIST_POLICY_INFO table is queried.
- C. When querying with a time period specification, both the POLICY_INFO and HIST_POLICY_INFO tables are potentially queried.
- D. When querying with no time period specification, both the POLICY_INFO and HIST_POLICY_INFO tables are potentially queried.

Answer: C

41. Which two conditions must be met before Automatic Dictionary Creation (ADC) can be used to generate a compression dictionary for a table? (Choose two.)

- A. The table is not a system temporary table.
- B. The table contains a sufficient amount of data.
- C. A table-level compression dictionary does not already exist for the table.
- D. A page-level compression dictionary does not already exist for the table.
- E. The table does not have any indexes defined on it that have not been enabled for compression.

Answer: B,C

42. A partitioned table named SALES was created as follows:

```
CREATE TABLE parts
(part_num INT,
description VARCHAR(50),
price DECIMAL (4,2))
INDEX IN tbsp3
PARTITION BY RANGE (part_num)
(STARTING FROM (1) ENDING AT (10) IN tbsp0,
STARTING FROM (11) ENDING AT (20) IN tbsp1,
STARTING FROM (21) ENDING AT (30) IN tbsp2);
```

If the following statement is executed,

```
CREATE INDEX parts_idx ON parts (part_num);
```

Which statement about the PARTS_IDX index is true?

- A. The index PARTS_IDX will be a nonpartitioned index and it will be stored in table space TBSP3.
- B. The index PARTS_IDX will be a nonpartitioned index and it will be stored in table space TBSP0.
- C. The index PARTS_IDX will contain 3 partitions and all three partitions will be stored in table space TBSP3.
- D. The index PARTS_IDX will contain 3 partitions; the first partition will be stored in table space TBSP0, the second in TBSP1, and the third in TBSP2.

Answer: D

43. An existing non-automatic storage database named MYDB has been successfully converted to an automatic storage database. What must be done to convert any existing DMS table spaces to automatic storage table spaces?

- A. Execute the statement ALTER DATABASE mydb CONVERT TO AUTOMATIC STORAGE

IMMEDIATE.

B. Execute the statement ALTER DATABASE mydb CONVERT TABLESPACES TO AUTOMATIC STORAGE.

C. Execute the ALTER TABLESPACE statement with the MANAGED BY STOGROUP clause specified for each DMS table space that is to beconverted.

D. Execute the ALTER TABLESPACE statement with the MANAGED BY AUTOMATIC STORAGE clause specified for each DMS table space that isto be converted.

Answer: D

44.Which statement about BEFORE triggers is FALSE?

A. A BEFORE trigger's action is executed for each row in the set of affected rows before the trigger event executes.

B. A BEFORE trigger's action is executed for each row in the set of affected rows instead of executing the trigger event.

C. A BEFORE trigger is used to perform validation of input data and to automatically generate values for newly inserted rows.

D. A BEFORE trigger cannot be used to modify data in a database because they are activated before the trigger event is applied to the database.

Answer: B

45.What are two purposes of the SET INTEGRITY statement? (Choose two.)

A. To bring a table out of "Set Integrity Pending" state by performing the required integrity processing on the table.

B. To bring a table out of "Set Integrity Pending" state by performing only check constraint processing on the table.

C. To bring a table out of "Set Integrity Pending" state without performing the required integrity processing on the table.

D. To bring a table out of "Set Integrity Pending" state by performing only referential integrity constraint processing on the table.

E. To bring a table out of "Set Integrity Pending" state by performing only referential integrity and check constraint processing on the table.

Answer: A,C

46.You want to modify an existing view so that any rows that are inserted or updated with the view will not violate the SELECT statement that was used to create the view. What should you do?

A. Alter the view and add the ENFORCE SELECT clause to the view definition.

B. Drop and recreate the view with the WITH CHECK OPTION clause specified.

C. Alter the view and add the WITH CHECK OPTION clause to the view definition.

D. Create a new view with the same name and the ENFORCE SELECT clause specified.

Answer: B

47.What is an informational constraint?

A. A constraint that defines a relationship to a federated object.

B. A constraint that is used by the optimizer but is not enforced.

- C. A constraint that provides Information to the RUNSTATS utility.
- D. A constraint that is created from information supplied to the design advisor.

Answer: B

48. Given the following statement:

```
CREATE TABLE department
  (deptno   CHAR(3) NOT NULL PRIMARY KEY,
   deptname VARCHAR(29) NOT NULL,
   mgrno    CHAR(6),
   admrdept CHAR(3) NOT NULL,
   location CHAR(16))
```

How many constraints are present in the DEPARTMENT table?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: D

49. Which two server authentication methods are supported by transparent Lightweight Directory Access Protocol (LDAP)? (Choose two.)

- A. CLIENT
- B. SERVER
- C. LDAP_PLUGIN
- D. DATA_ENCRYPT
- E. KERBEROS_PLUGIN

Answer: B,D

50. Which command is used to export connectivity configuration information from a file known as a configuration profile?

- A. db2ca
- B. db2cfexp
- C. db2cfimp
- D. db2cfgexp

Answer: B

51. Which statement is true regarding client-server database connectivity?

- A. A remote connection uses Interprocess Communication (IPC).
- B. A loopback connection can be made with either the APPC or TCP/IP protocol enabled.
- C. A remote connection is established between a DB2 client in a different location from the database server.
- D. A DB2 client running a lower version of DB2 can establish a local connection to a server running on a newer version.

Answer: C

52. A DB2 for AIX server has two instances named DEV and PROD. Each instance contains a database

named ACCOUNTS and a database named PAYROLL. What can be done to prevent a DB2 Discovery operation from seeing the DEV instance and its databases?

- A. Set the DISCOVER_DB database manager configuration parameter for the DEV instance to DISABLE.
- B. Set the DISCOVER DB2 administration server (DAS) configuration parameter on the client to DISABLE.
- C. Set the DISCOVER DB2 administration server (DAS) configuration parameter on the server to DISABLE.
- D. Set the DISCOVER_INST database manager configuration parameter for the DEV instance to DISABLE.

Answer: D

53.What authority is required to create, alter and drop workload management objects?

- A. SYSADM
- B. SECADM
- C. WLMADM
- D. ACCESSCTRL

Answer: C

54.Which statement regarding snapshot administrative views and snapshot monitor table functions is true?

- A. Snapshot administrative views cannot be used with monitor switches or monitor reset commands while snapshot table functions have no such restrictions.
- B. Snapshot table functions cannot be used with monitor switches or monitor reset commands while snapshot administrative views have no such restrictions.
- C. Snapshot administrative views provide the option to choose between data from a single database partition or a data subset from across all database partitions while snapshot table functions provide access to data from each database partition.
- D. Snapshot administrative views provide access to data from each database partition while snapshot table functions provide the option to choose between data from a single database partition or a data subset from across all database partitions.

Answer: D

55.By analyzing EXPLAIN data, you notice that a table scan is being performed instead of an index scan even though an index exists. In order to utilize the existing index, what should be done before issuing the RUNSTATS command to collect statistics for both the index and table?

- A. Drop and reload the table.
- B. Drop and recreate the index.
- C. Reorganize the table to cluster its data according to that index.
- D. Reorganize the table to cluster its index according to that query plan.

Answer: C

56.Which system command can be used to locate and return only ADM4500W messages from the DB2 diagnostics log file?

- A. db2pd

- B. db2diag
- C. db2trace
- D. db2fmtdiag

Answer: B

57.Which statement about the db2pd tool is true?

- A. It may retrieve data that is not completely accurate.
- B. It collects information from the log buffer and active log files.
- C. It ensures that information is not retrieved on changing data.
- D. It collects information from the snapshot monitor and a predefined set of event monitors.

Answer: A

58.If you are running DB2 in clustered environment, what utility should you use to get the status of cluster?

- A. db2istat
- B. db2clust
- C. db2haicu
- D. db2hastat

Answer: C

59.Which user-managed file system is required for DB2 pureScale deployments?

- A. JFS2
- B. NTFS
- C. HPFS
- D. GPFS

Answer: D

60.Which statement is true regarding the workload management dispatcher?

- A. The workload management dispatcher monitors work performed by entities executing in the DB2 system service class.
- B. The workload management dispatcher monitors the allocation of CPU resources between service classes on a system.
- C. The workload management dispatcher monitors non-DB2 work performed in fenced mode processes such as fenced stored procedures.
- D. The workload management dispatcher monitors work performed by applications or middleware products that perform a portion of their work outside of the DB2 database manager.

Answer: B

61.What information can be obtained by analyzing EXPLAIN data?

- A. Access type, index use, and work load
- B. Index use, work load, and join methods
- C. Work load, access type, and join methods
- D. Join methods, index use, and access type

Answer: D

62.How is the time that an agent waits for log records to be flushed to disk calculated?

- A. LOG_END_TIME divided by TOTAL_COMMITS
- B. LOG_WAIT_TIME divided by TOTAL_COMMITS
- C. LOG_WRITE_TIME divided by TOTAL_COMMITS
- D. LOG_FLUSH_TIME divided by TOTAL_COMMITS

Answer: C

63.Which tool should be used to collect data during a potential hang without stopping the database manager?

- A. db2ls
- B. db2dart
- C. db2fodc
- D. db2cklog

Answer: C

64.Which action can a DBA take to retrieve bufferpool metrics information?

- A. Ensure the MON_OBJ_METRICS configuration parameter is enabled and query the BP_HITRATIO table function.
- B. Ensure the MON_ACT_METRICS configuration parameter is enabled and query the BP_HITRATIO administrative view.
- C. Ensure the MON_OBJ_METRICS configuration parameter is enabled and query the MON_GET_BUFFERPOOL table function.
- D. Ensure the MON_ACT_METRICS configuration parameter is enabled and query the MON_GET_BUFFERPOOL administrative view.

Answer: C

65.Which tool should be used to give you lock wait information from the DB2 memory sets?

- A. db2pd
- B. db2mtrk
- C. db2fodc
- D. db2support

Answer: A

66.A database named MYDB was created as follows: CREATE DATABASE mydb AUTOMATIC STORAGE NO What is the recommended way to convert the database MYDB to an automatic storage database?

- A. Use the ALTER DATABASE statement to add storage paths to the database.
- B. Use the CREATE STOGROUP statement to define a new storage group in the database and to assign storage paths to the new storage group.
- C. Use the UPDATE DATABASE CONFIGURATION command to change the AUTOMATIC STORAGE configuration parameter for the database to YES.
- D. Use the DROP DATABASE command to drop the database; then, recreate the database by executing a CREATE DATABASE command statement that does not contain the AUTOMATIC STORAGE NO

option.

Answer: B

67.Which statement about insert time clustering tables (ITC) is true?

- A. ITC tables cannot be range-partitioned tables.
- B. ITC tables are supported in DB2 pureScale environments.
- C. Rows of an ITC table are clustered by the time they are inserted into the table.
- D. If an ITC table is clustered by one or more user specified dimensions, the specified dimensions must be timestamps.

Answer: C

68.Which type of table space can be associated with only one storage group?

- A. Automatic storage space (AS)
- B. System managed space (SMS)
- C. Database managed space (DMS) File
- D. Database managed space (DMS) Device

Answer: A

69.How can you remove all effects of compression from an index?

- A. Execute the ALTER INDEX statement to turn compression off.
- B. Execute the ALTER TABLE statement to turn compression off.
- C. Execute the ALTER INDEX statement to turn compression off; then execute the REORG command to removed the compression dictionary.
- D. Execute the ALTER TABLE statement to turn compression off; then execute the RUNSTATS command to tell the DB2 optimizer thatcompression is no longer used.

Answer: C

70.Which SQL data type CANNOT be used to store XML indexed values?

- A. REAL
- B. DOUBLE
- C. DECIMAL
- D. INTEGER

Answer: A

71.Which statement about adaptive compression is true?

- A. When you enable adaptive compression for a table, you enable it for the entire table, even if the table contains more than one partition.
- B. You can specify that tables be compressed by using either a table-level dictionary only, page-level dictionaries only, or both table-level andpage-level dictionaries.
- C. Adaptive compression can only be used to compress base tables, partitioned tables, and temporary tables; MQTs, typed tables and stagingtables cannot be compressed.
- D. Adaptive compression uses a page-level dictionary-based compression algorithm to compress data based on repeating patterns found within asampling of data from one extent.

Answer: A

72.Which table space is NOT created by default when the CREATE DATABASE command is executed?

- A. USERSPACE1
- B. TEMPSPACE1
- C. SYSCATSPACE
- D. SYSTOOLSPACE

Answer: D

73.Which statement is correct when describing Range Clustered Tables (RCT) as compared to regular base tables that use at least one index?

- A. RCTs require less logging, less buffer pool space, and less maintenance.
- B. RCTs require more logging, less buffer pool space, and more maintenance.
- C. RCTs require less logging, more buffer pool space, and less maintenance.
- D. RCTs require more logging, more buffer pool space, and less maintenance.

Answer: A

74.If the following statements are executed in the order shown: Which statement is true?

```
CREATE TABLE tab1
(col1 INT NOT NULL PRIMARY KEY,
 col2 NUMERIC(5,2));
```

```
CREATE TABLE tab2
AS (SELECT * FROM tab1)
DATA INITIALLY DEFERRED
REFRESH IMMEDIATE
MAINTAINED BY SYSTEM;
```

```
REFRESH TABLE tab2;
```

- A. Insert, update, and delete operations can be performed against table TAB2.
- B. Data stored in table TAB1 is automatically copied to table TAB2 immediately after table TAB2 is created.
- C. Insert, update, and delete operations performed against table TAB1 are automatically cascaded to table TAB2.
- D. The REFRESH TABLE statement must be executed before insert, update, and delete operations performed against table TAB1 will be seen in table TAB2.

Answer: C

75.When the ALTER TABLE DETACH operation is used to detach a single data partition from a partitioned table, at what point does the newly detached data partition become accessible as a standalone table?

- A. After a SET INTEGRITY statement is executed.
- B. After a truncate table operation is performed in the background.
- C. Immediately after the ALTER TABLE DETACH statement is executed.
- D. Immediately after asynchronous partition detach processing completes for this data partition.

Answer: D

76.Which statement is true about Insert Time Clustering (ITC) tables?

- A. An existing MDC table can be converted to an ITC table.
- B. ITC tables have similar characteristics to MDC tables, except they don't use block indexes.
- C. The ITC table is an MDC table defined with a single TIMESTAMP type column in the ORGANIZE BY clause.
- D. ITC tables are created with the CREATE TABLE command by specifying the ORGANIZE BY INSERT TIME clause.

Answer: D

77.Which statement regarding compression for temporary tables is true?

- A. Temporary tables can only be compressed using adaptive compression.
- B. Temporary tables can only be compressed using classic row compression.
- C. Compression for temporary tables can be dynamically enabled and disabled.
- D. The DB2 optimizer automatically decides to use classic row compression or adaptive compression for temporary tables.

Answer: B

78.When a table space is moved to a new storage group, what action will occur for the containers in the old storage group?

- A. They are automatically dropped.
- B. They are marked as "Move Pending."
- C. They are marked as "Dropped Pending."
- D. They are automatically moved to the new table space.

Answer: C

79.Which SQL/XML publishing function can be used to convert XML data into other formats, including other XML schemas?

- A. XSLPARSE
- B. XSLELEMENT
- C. XSLCONVERT
- D. XSLTRANSFORM

Answer: D

80.If the following command is executed: CREATE DATABASE sample RESTRICTIVE Which statement is true?

- A. No authorities or privileges will be granted to PUBLIC.
- B. Only the creator is allowed to access the SAMPLE database.
- C. PUBLIC will hold only SELECT privilege on the system catalog views.
- D. The RESTRICT_ACCESS database configuration parameter must be set to YES by the creator.

Answer: A

81.A user with SYSADM authority executes the following commands at host SERVER1:

```
db2set DB2COMM=TCPIP;  
db2 UPDATE DBM CFG USING SVCENAME 50000;  
db2stop;  
db2start;
```

Then from a Windows workstation, a DB2 client is configured this way:

```
CATALOG TCPIP NODE mynode REMOTE server1  
SERVER db2c_sample;  
CATALOG DB sample AT NODE mynode;  
CONNECT TO sample USER administrator;
```

Assuming the user ADMINISTRATOR exists, what could be causing the problem?

- A. The password for user ADMINISTRATOR is missing.
- B. The userid should not be longer than eight characters.
- C. The syntax of the CATALOG NODE command must contain a valid TCP/IP address.
- D. The db2c_sample entry in the Windows Services File might not be assigned port number 50000.

Answer: D

82.Which registry variable is used to enable transparent Lightweight Directory Access Protocol (LDAP)?

- A. DB2LDAP
- B. DB2AUTH
- C. CLNT_PW_PLUGIN
- D. SRVCON_PW_PLUGIN

Answer: B

83.What are two types of DB2 Discovery requests that a client can make? (Choose two.)

- A. KNOWN
- B. SEARCH
- C. LOOKUP
- D. TRUSTED
- E. UNTRUSTED

Answer: A,B

84.Which command is used to import connectivity configuration information from a file known as a configuration profile?

- A. db2ca
- B. db2cfexp
- C. db2cfimp
- D. db2cfgimp

Answer: C

85.Due to a hardware failure, it appears that there may be some corruption in database DB_1 as DB2 is reporting a "bad page". DB2DART is performed for the entire database and it appears that several bad pages were detected in table space TBSP_1. What command should be used to recover the database and repair the corruption in table space TBSP_1?

- A. RESTART DATABASE

- B. RESTORE DATABASE
- C. RESTORE TABLESPACE
- D. ROLLFORWARD DATABASE

Answer: B

86.Which DB2 product/feature should be used if you want to enable client reroute for transactions and connections based on workload?

- A. pureScale
- B. Advanced Server Edition
- C. Data Partitioning Feature
- D. Enterprise Server Edition

Answer: A

87.Which is the suggested way to restore a database with a subset of its original table spaces?

- A. Execute the RESTORE DATABASE command with the REBUILD WITH option and specify the set of table spaces that are needed.
- B. Execute the RESTORE DATABASE command with the REBUILD WITH ALL TABLESPACES option and specify the set of table spaces that are needed.
- C. Execute the RESTORE DATABASE command with the REBUILD WITH ALL TABLESPACES IN IMAGE option and specify the set of table spaces that are needed.
- D. Execute the RESTORE DATABASE command with the REBUILD WITH ALL TABLESPACES IN DATABASE option and specify the set of tablespaces that are needed.

Answer: A

88.Which statement is NOT true about a database restore operation?

- A. A table space restore operation must be done offline.
- B. A table space is not usable until the restore operation completes successfully.
- C. A user can restore a database from a backup image on a 32-bit level into a 64-bit level, but not vice versa.
- D. A database restore operation requires an exclusive connection. No applications can run against the database while the operation is in progress.

Answer: A

89.If a single node database is actively being used by applications when a power failure occurs, what method is used to bring the database back to a consistent state once power has been restored?

- A. Crash recovery
- B. Version recovery
- C. Disaster recovery
- D. Roll-forward recovery

Answer: A

90.Which High Availability Disaster Recovery (HADR) synchronization mode provides the shortest transaction response time but has the highest probability of transaction losses if the primary system fails?

- A. SYNC (synchronous)

- B. ASYNC (asynchronous)
- C. NEARSYNC (near synchronous)
- D. SUPERASYNC (super asynchronous)

Answer: D

91.Which statement regarding SECADM authority is true?

- A. The instance owner has SECADM authority by default.
- B. PUBLIC cannot receive SECADM authority, either directly or indirectly.
- C. Only users with SECADM authority are allowed to grant the CONNECT database authority to others.
- D. The SECADM_GROUP database manager configuration parameter determines who has SECADM authority by default.

Answer: B

92.Which administrative authority is needed to grant ACCESSCTRL, DATAACCESS, or SECADM authority to other users, groups, or roles?

- A. DBADM
- B. SYSADM
- C. SQLADM
- D. SECADM

Answer: D

93.What authority is required to grant a user ACCESSCTRL authority?

- A. DBADM
- B. SQLADM
- C. SECADM
- D. DATAACCESS

Answer: C

94.Which is a valid statement about the Row and Column Access Control (RCAC) feature?

- A. Users with SECADM authority are exempt from RCAC rules.
- B. The RCAC feature uses a subset of Label Based Access Control (LBAC) functionality.
- C. RCAC is a more powerful security mechanism than Label Based Access Control (LBAC).
- D. When a result set is restricted due to the RCAC rules defined on a table, no warnings or errors are returned.

Answer: D

95.What type of Label-Based Access Control (LBAC) security label component is used to define a scale in which the first element listed represents the highest level of trust a person can have and the last element listed represents the lowest level of trust a person can have?

- A. Set
- B. Array
- C. Tree
- D. Range

Answer: B

96.A table named SALES was created as follows:

```
CREATE TABLE sales
(sales_date  DATE WITH DEFAULT,
 sales_rep   INTEGER,
 sales_amt   DECIMAL(12, 2))
```

If management wants to use Label-Based Access Control (LBAC) to protect individual columns in the SALES table, and the security policy needed (SEC_POLICY) has already been created, what must be done to protect the table as desired?

- A. Associate the SEC_POLICY security policy with the SALES table.
- B. Add a SECURED WITH clause to every column in the SALES table.
- C. Add a column with the DB2SECURITYLABEL data type to the SALES table and then associate the SEC_POLICY security policy with the table.
- D. Add a SECURED WITH clause to every column in the SALES table and then associate the SEC_POLICY security policy with the SALES table.

Answer: D

97.What authority must be held to create a trusted context?

- A. DBADM
- B. SQLADM
- C. SECADM
- D. CONNECT

Answer: C

98.What authorization is needed to use the AUDIT statement to create an audit policy?

- A. DBADM
- B. SYSADM
- C. SECADM
- D. SYSMANT

Answer: C

99.The following statement is run:

```
CREATE MASK acct_balance_mask ON patient FOR
COLUMN acct_balance RETURN
CASE
  WHEN verify_role_for_user(SESSION_USER, 'ACCOUNTING') = 0
  THEN acct_balance
  ELSE 0.00
END
ENABLE;
```

Which statement about the ACCT_BALANCE column is true?

- A. Values stored in the ACCT_BALANCE column are visible to all users.
- B. Values stored in the ACCT_BALANCE column are not visible to any user.
- C. Values stored in the ACCT_BALANCE column are only visible to users with the ACCOUNTING role.
- D. Values stored in the ACCT_BALANCE column are not visible to users with the ACCOUNTING role.

Answer: A

100.Which statement about the REORGCHK command is true?

- A. It cannot be run against the system catalog.
- B. It automatically calls RUNSTATS by default.
- C. It cannot be run against multidimensional clustering tables.
- D. It automatically calls REORG if it is determined that a reorg is necessary.

Answer: B

101.You are tasked with using the Export, Import, and Load utilities to move data from a UNIX platform database to a Windows platform database. What file format is recommended for moving data across platforms?

- A. IXF
- B. DEL
- C. ASC
- D. WSF

Answer: A

102.What is the purpose of the Design Advisor?

- A. To recommend physical changes to objects in a database.
- B. To recommend database configuration parameter changes.
- C. To generate profiles for autonomic activity within the database.
- D. To generate query definitions required to create usage reports.

Answer: A

103.Table TAB_A resides within table space TBSP_1.

Given the following LOAD command:

```
LOAD FROM del_file OF DEL
MODIFIED BY IMPLICITLYHIDDENINCLUDE
INSERT INTO tab_a
COPY YES
INDEXING MODE INCREMENTAL
ALLOW READ ACCESS
```

Which statement is correct?

- A. TAB_A is a table that has implicitly hidden columns and the file DEL_FILE contains data for both regular columns and hidden columns. When new data is being loaded into TAB_A, applications will be able to read the data that existed prior to the LOAD operation.
- B. A flash copy of TAB_A will be made at the beginning of the LOAD because of the COPY YES option. This copy allows applications to read the data that existed in the table prior to the LOAD operation and improves performance since the read operations will not collide with the LOAD.
- C. The indexes for TAB_A will not be completely rebuilt because the INCREMENTAL indexing mode is used. Instead, new index keys will be appended to the original indexes. This will improve concurrency for the applications that are reading TAB_A during the LOAD operation.
- D. The indexes for TAB_A will be copied at the beginning of the LOAD operation because of the COPY YES option. Since the indexes will also be built using the INCREMENTAL indexing mode, the concurrency of table TAB_A will be maximized for any applications that wish to access the table.

Answer: A

104. Table TAB_A resides within table space TBSP_1.

Given the following LOAD command:

```
LOAD FROM del_file OF DEL
  INSERT INTO tab_a
  COPY NO
  INDEXING MODE INCREMENTAL
  ALLOW READ ACCESS
```

Which statement is correct?

- A. Using the COPY NO option means the data in any table within table space TBSP_1 cannot be updated or deleted until either a table space backup of TBSP_1 or a full database backup is completed.
- B. Using the ALLOW READ ACCESS option along with INCREMENTAL indexing mode means that the newly inserted data can be accessed because of the new CURRENTLY COMMITTED semantics.
- C. Using the COPY NO and ALLOW READ ACCESS options means that the existing table data is only readable until the index build phase begins, since no copy of the existing data is made during the LOAD.
- D. Using the INSERT INTO and the INCREMENTAL indexing mode allows DB2 to increase the concurrency of table access during the LOAD operation because LOAD will always append the inserted data to the end of the table and the new index pages are also added to the end of the existing index when using INCREMENTAL indexing mode.

Answer: A

105. What is the FLUSH PACKAGE CACHE statement used for?

- A. It saves dynamic SQL stored in the package cache to an external file.
- B. To remove all cached static SQL statements from the package cache.
- C. To remove all cached dynamic SQL statements from the package cache.
- D. It causes all SQL statements in the package cache that are currently in use to be recompiled.

Answer: C

106. If the following statement is executed: REORGCHK UPDATE STATISTICS ON TABLE ALL What will happen?

- A. RUNSTATS will be executed on all user tables and a REORGCHK report will be generated.
- B. RUNSTATS will be executed on all user and system tables and a REORGCHK report will be generated.
- C. RUNSTATS will be executed on all user tables only if statistics have not been collected and a REORGCHK report will be generated.
- D. RUNSTATS will be executed on all system tables only if statistics have not been collected and a REORGCHK report will be generated.

Answer: B

107. What is the purpose of specifying the RESTART CONTINUE option in an INGEST command?

- A. To terminate a failed INGEST command.
- B. To restart a failed INGEST command from the beginning.
- C. To clean up the log records of a failed INGEST command.

D. To restart a failed INGEST command from the last commit point.

Answer: D

108.What are two types of check options that can be used to create views? (Choose two.)

- A. Local
- B. Client
- C. Server
- D. Remote
- E. Cascaded

Answer: A,E

109.Which statement about referential constraints is true?

- A. A referential constraint can be defined against a catalog table.
- B. A referential constraint can be defined on both tables and views.
- C. A referential constraint is used to enforce a logical rule about values of one or more columns in one or more tables.
- D. A referential constraint is used to enforce a logical rule about how values in one or more columns in a table should be referenced in a query.

Answer: C

110.Which statement about primary keys is true?

- A. A table can have multiple primary keys.
- B. A primary key accepts one, and only one, NULL value.
- C. A unique index, with matching columns of the primary key, must be created before a primary key can be created.
- D. A unique bidirectional index is automatically created for the columns of the primary key, if an appropriate unique index does not already exist.

Answer: D

111.Given the following command: LOAD FROM newrows.del OF DEL INSERT INTO mytab ALLOW READ ACCESS Which statement(s) must be executed before applications can query the newly loaded data?

- A. SET INTEGRITY FOR mytab IMMEDIATE CHECKED
- B. ALTER TABLE mytab CHECK (COL IS VALIDATED)
- C. ALTER TABLE mytab ALLOW READ ACCESS IMMEDIATE CHECKED
- D. ALTER TABLE mytab ALLOW READ ACCESS;
SET INTEGRITY FOR mytab IMMEDIATE UNCHECKED;

Answer: A

112.Which statement about triggers is FALSE?

- A. A statement-level trigger fires only once for each SQL statement.
- B. A trigger's code block can be executed either before or after a triggering event.
- C. A row-level trigger fires once for each row that is affected by a triggering event.
- D. A table-level trigger fires once for each table that is affected by a triggering event.

Answer: D

113.Which registry variable should be used to specify that 20 percent of each index page is to be left as free space when building any index in any database?

- A. DB2_INDEX_DEFAULT
- B. DB2_EXTENDED_OPTIMIZATION
- C. DB2_INDEX_PCTFREE_DEFAULT
- D. DB2_ENABLE_AUTOCONFIG_DEFAULT

Answer: C

114.A table named CUSTOMER and an index named CUST_IDX were created as follows:

```
CREATE TABLE customer
(id      SMALLINT,
 name   VARCHAR(40),
 phone  VARCHAR(15),
 address VARCHAR (100));
```

```
CREATE INDEX cust_idx ON customer (id, name);
```

If the following query is analyzed using Visual Explain:

```
SELECT id, name FROM customer;
```

Which operation would you expect to see in the access plan diagram produced?

- A. NLJOIN
- B. HSJOIN
- C. IXSCAN
- D. TBSCAN

Answer: C

115.Which command will enable automatic reorg on a database?

- A. UPDATE DB CFG USING AUTO_REORG ON
- B. UPDATE DB CFG USING AUTO_MAINT ON AUTO_REORG ON
- C. UPDATE DB CFG USING AUTO_TBL_MAINT ON AUTO_REORG ON
- D. UPDATE DB CFG USING AUTO_MAINT ON AUTO_TBL_MAINT ON AUTO_REORG ON

Answer: D

116.How can you obtain information about any changes that have been made by the Self-Tuning Memory Manager (STMM)?

- A. By using the change history event monitor.
- B. By using the DB2 problem determination tool.
- C. By examining the contents of the system catalog.
- D. By examining the DB2 administration notification log file.

Answer: A

117.Which statement about DB2 aggregate registry variables is true?

- A. An aggregate registry variable that is explicitly set by an application cannot be overwritten.

- B. An aggregate registry variable overrides any corresponding explicitly set registry variable.
- C. A registry variable that is explicitly set by an application can only be overwritten by aggregate registry variable.
- D. A registry variable that is implicitly configured through an aggregate registry variable may also be explicitly defined.

Answer: D

118.What must a user possess if they want to run a DB2 Command Line Processor (CLP) script against a database using the Job Manager in IBM Data Studio?

- A. Permission to log in to the database client using telnet.
- B. Permission to log in to the database server using telnet.
- C. Permission to log in to the database client using secure shell (SSH).
- D. Permission to log in to the database server using secure shell (SSH).

Answer: D