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**Vendor:** IBM

**Exam Code:** C2090-730

**Exam Name:** DB2 9 Family Fundamentals

**Version:** Demo

**QUESTION 1**

Which of the following is the lowest cost DB2 product that can be legally installed on a Windows server that has 2 CPUs?

- A. DB2 Everyplace
- B. DB2 Express Edition
- C. DB2 Workgroup Server Edition
- D. DB2Enterprise Server Edition

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 2**

Which of the following products is allowed to access other DB2 servers, but cannot accept requests from other remote clients?

- A. DB2 Personal Edition
- B. DB2 Workgroup Server Edition
- C. DB2Enterprise Server Edition
- D. DB2 Data Warehouse Edition

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

A client application on z/OS must access a DB2 database on a Solaris Server. At a minimum, which of the following products must be installed on the Solaris workstation?

- A. DB2 ConnectEnterprise Edition
- B. DB2 Workgroup Server Edition
- C. DB2 Workgroup Server Edition and DB2 ConnectEnterprise Edition
- D. DB2Enterprise Server Edition and DB2 Connect Enterprise Edition

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 4**

Which of the following is the lowest cost DB2 product that can be legally installed on an HP-UX server?

- A. DB2 Express-C
- B. DB2 Express
- C. DB2 Personal Edition
- D. DB2Enterprise Server Edition

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

Which of the following products must be installed on an AIX server in order to build an application for AIX that will access a DB2 for z/OS database?

- A. DB2Enterprise Server Edition
- B. DB2 Personal Developer's Edition
- C. DB2 Universal Developer's Edition
- D. DB2 Universal DatabaseEnterprise Edition and DB2 Connect Enterprise Edition

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

Which of the following DB2 products can only be installed on a System i server?

- A. DB2 for z/OS
- B. DB2 for i5/OS
- C. DB2 Data Warehouse Edition
- D. DB2Enterprise Server Edition

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

What is the purpose of the Design Advisor?

- A. To analyze workloads and make recommendations for indexes and MQTs
- B. To present a graphical representation of a data access plan and recommend design changes that will improve performance
- C. To replicate data between a DB2 database and another relational database
- D. To configure clients so they can access databases stored on remote servers

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

Which of the following tools can be used to catalog a database?

- A. Visual Explain
- B. Alert Center

- C. Journal
- D. Configuration Assistant

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 9**

Which of the following is used to create and debug user-defined functions?

- A. SQL Assist
- B. Control Center
- C. Command Editor
- D. Developer Workbench

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 10**

Which of the following DB2 tools allows a user to set DB2 registry parameters?

- A. Task Center
- B. Visual Explain
- C. Configuration Assistant
- D. Satellite Administration Center

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 11**

What is the SQL Performance Monitor used for?

- A. To examine the health of a DB2 Database Manager instance
- B. To visually construct complex DML statements and examine the results of their execution
- C. To schedule tasks, run tasks, and send notifications about completed tasks to other users
- D. To analyze database operations performed against a DB2 for i5/OS database

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 12**

Which two of the following allow you to perform administrative tasks against database objects?

- A. Control Center

- B. Journal
- C. Command Line Processor
- D. Task Center
- E. Health Center

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

### **QUESTION 13**

Which of the following tasks can NOT be performed using the Developer Workbench?

- A. Develop and debug an SQL stored procedure
- B. Develop and debug a user-defined data type
- C. Develop and debug a user-defined function
- D. Develop and run XML queries

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

### **QUESTION 14**

Which of the following tools can be used to automate table reorganization operations?

- A. Control Center
- B. Command Center
- C. Command Line Processor
- D. Task Center

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

### **QUESTION 15**

Which of the following can be viewed with the Journal?

- A. Historical information about tasks, database changes, messages, and notifications
- B. Information about licenses associated with each DB2 9 product installed on a particular system
- C. Graphical representations of data access plans chosen for SQL statements
- D. Warning and alarm thresholds for database indicators

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

### **QUESTION 16**

Which of the following is NOT a characteristic of a data warehouse?

- A. Summarized queries that perform aggregations and joins
- B. Heterogeneous data sources
- C. Voluminous historical data
- D. Sub-second response time

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 17**

Which of the following is NOT a characteristic of an OLTP database?

- A. Granular transactions
- B. Current data
- C. Optimized for queries
- D. Frequent updates

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 18**

Which of the following is true about XML columns?

- A. XML columns are used to store XML documents as a hierarchical set of entities
- B. Only XQuery can be used to retrieve an XML document from an XML column
- C. XML columns must be altered to accommodate additional parent/child relationships if they are used in referential constraints
- D. In order to access any portion of an XML document stored in an XML column, the entire document must be retrieved

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 19**

Which of the following products is used to shred extensible markup language documents?

- A. DB2 AVI Extender
- B. DB2 Text Extender
- C. DB2 XML Extender
- D. DB2 Spatial Extender

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 20**

Which of the following best describes the difference between the DB2 Spatial Extender and the DB2 Geodetic Extender?

- A. The DB2 Spatial Extender uses a latitude-longitude coordinate system; the DB2 Geodetic Extender uses a planar, x- and y-coordinate system
- B. The DB2 Geodetic Extender is used to describe points, lines, and polygons; the DB2 Spatial Extender is used to find area, endpoints, and intersects
- C. The DB2 Spatial Extender treats the world as a flat map; the DB2 Geodetic Extender treats the world as a round globe
- D. The DB2 Geodetic Extender can be used to manage information like the locations of office buildings or the size of a flood zone; the DB2 Spatial Extender can be used for calculations and visualizations in disciplines like military command/control and asset management, meteorology and oceanography

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 21**

Which of the following is the major difference between relational data and XML data?

- A. Relational data is self-describing; XML data is not
- B. Relational data has inherent ordering; XML data does not
- C. Relational data must be tabular; XML data does not have to be tabular
- D. Relational data is comprised of entities; XML data is comprised of numbers, characters, and dates

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 22**

Which product must be installed on z/OS to allow a COBOL program running on that machine to access data on a remote DB2 for z/OS server?

- A. DB2 for z/OS
- B. DB2 Run-Time Client for z/OS
- C. DB2 Connect Enterprise Edition for z/OS
- D. z/OS Application Connectivity to DB2 for z/OS and OS/390

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

Which of the following tools can make recommendations for indexes and/or MQTs to improve the performance of DB2 applications?

- A. Design Advisor
- B. Visual Explain

- C. Performance Advisor
- D. Configuration Assistant

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

**QUESTION 24**

Which of the following tools can be used to schedule a backup operation that is to be run every Sunday evening?

- A. Journal
- B. Task Center
- C. Activity Monitor
- D. Command Line Processor

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 25**

Which of the following is the lowest cost DB2 product that can be legally installed on a Linux server that has 6 CPUs?

- A. DB2 Express Edition
- B. DB2 Personal Edition
- C. DB2 Workgroup Server Edition
- D. DB2Enterprise Server Edition

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 26**

Which of the following is the main feature of an OLTP application?

- A. Summarized queries
- B. Granular transactions
- C. Voluminous historical data
- D. Heterogeneous data sources

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 27**

For which of the following is a data warehouse optimized?



- A. Backup and recovery
- B. Transactions
- C. Security
- D. Queries

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 28**

Which of the following describes how DB2 9 stores an XML document if the XML Extender is not used?

- A. CLOB
- B. BLOB
- C. Hierarchically
- D. Rows and columns

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

Which of the following is NOT true about XML columns?

- A. Data can be retrieved by SQL.
- B. Data can be retrieved byXQuery.
- C. XML columns must be altered to accommodate additional parent and child relationships.
- D. Access to any portion of an XML document can be direct, without reading the whole document.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

Which tool must be used to analyze all of the database operations performed by an application against a DB2 for i5/OS database?

- A. Visual Explain
- B. Activity Monitor
- C. SQL Performance Monitor
- D. DB2 Performance Monitor

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

Which of the following DB2 tools allows a user to execute an SQL statement and view a graphical representation of the access plan?

- A. Task Center
- B. Command Editor
- C. Developer Workbench
- D. Command Line Processor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 32**

Which of the following DB2 products are required on an iSeries or System I server to enable an application running on that server to retrieve data from a DB2 database on a Linux server?

- A. DB2 for i5/OS
- B. DB2 Runtime Client
- C. DB2 ConnectEnterprise Edition
- D. DB2 for i5/OS SQL Development Kit

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

Which of the following is the lowest cost DB2 product that can be legally installed on an AIX server?

- A. DB2 Express Edition
- B. DB2 Personal Edition
- C. DB2 Workgroup Server Edition
- D. DB2Enterprise Server Edition

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

Which of the following best describes the age of the data in an OLTP system?

- A. Current
- B. Projected
- C. Historical
- D. Current and projected

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

Which of the following describes the model used by the Geodetic Extender?

- A. Flat earth
- B. 3-D Square
- C. Trapezoidal
- D. Round earth

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

Which of the following tools is used to view historical information about tasks, database changes, messages, and notifications?

- A. Journal
- B. Task Center
- C. Control Center
- D. Activity Monitor

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 37**

Which of the following is a typical data warehouse query?

- A. What is this customer's address?
- B. Does this customer have any unpaid bills?
- C. What is the balance in this customer's account?
- D. What are the total sales for each of the last 6 months?

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

In which situation is shredding XML data recommended?

- A. When the data is naturally tabular
- B. When the number of nodes are volatile
- C. When the data by nature has sparse attributes
- D. When the data is of low volume and requires a complex star-schema topology

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 39**

Which of the following tools for DB2 V9 allows a user to create and debug a SQL stored procedure?

- A. Control Center
- B. Development Center
- C. Developer Workbench
- D. Stored Procedure Builder  
Security

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 40**

Which of the following is NOT a valid method of authentication that can be used by DB2 9?

- A. SERVER
- B. SERVER\_ENCRYPT
- C. CLIENT
- D. DCS

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 41**

In a client-server environment, which two of the following can be used to verify passwords?

- A. System Catalog
- B. User ID/password file
- C. Client Operating System
- D. Communications layer
- E. Application Server

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 42**

A table named DEPARTMENT has the following columns:

DEPT\_ID  
DEPT\_NAME  
MANAGER  
AVG\_SALARY

Which of the following is the best way to prevent most users from viewing AVG\_SALARY data?

- A. Encrypt the table's data
- B. Create a view that does not contain the AVG\_SALARY column
- C. Revoke SELECT access for the AVG\_SALARY column from users who should not see AVG\_SALARY data
- D. Store AVG\_SALARY data in a separate table and grant SELECT privilege for that table to the appropriate users

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 43**

Which authority or privilege is granted by the DB2 Database Manager configuration file?

- A. CONNECT
- B. CONTROL
- C. SYSMANT
- D. EXECUTE

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 44**

Which two of the following authorities allow a user to create a new database?

- A. SYSADMN
- B. SYSCTRL
- C. SYSMANT
- D. DBADM
- E. CREATEDB

**Correct Answer: AB**

**Explanation**

**Explanation/Reference:**

**QUESTION 45**

Assuming USER1 has no authorities or privileges, which of the following will allow USER1 to create a view named VIEW1 that references two tables named TAB1 and TAB2?

- A. CREATEIN privilege on the database
- B. REFERENCES privilege on TAB1 and TAB2
- C. CREATE\_TAB privilege on the database
- D. SELECT privilege on TAB1 and TAB2

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 46**

Which of the following will allow user USER1 to change the comment associated with a table named TABLE1?

- A. GRANT UPDATE ON TABLE table1 TO user1
- B. GRANT CONTROL ON TABLE table1 TO user1
- C. GRANT ALTER ON TABLE table1 TO user1
- D. GRANT REFERENCES ON TABLE table1 TO user1

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 47**

A table called DEPARTMENT has the following columns:

DEPT\_ID

DEPT\_NAME

MANAGER

Which of the following statements will ONLY allow user USER1 to modify the DEPT\_NAME column?

- A. GRANT ALTER ON TABLE department TO user1
- B. GRANT ALTER (dept\_name) ON TABLE department TO user1
- C. GRANT UPDATE ON TABLE department TO user1
- D. GRANT UPDATE (dept\_name) ON TABLE department TO user1

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 48**

An index named EMPID\_X exists for a table named EMPLOYEE. Which of the following will allow user USER1 to drop the EMPID\_X index?

- A. GRANT DROP ON INDEXempid\_x TO user1
- B. GRANT DELETE ON INDEXempid\_x TO user1
- C. GRANT INDEX ON TABLE employee TO user1
- D. GRANT CONTROL ON INDEXempid\_x TO user1

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 49**

On which two of the following database objects may the SELECT privilege be controlled?

- A. Sequence
- B. Nickname

- C. Schema
- D. View
- E. Index

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

**QUESTION 50**

User USER1 wants to utilize an alias to remove rows from a table. Assuming USER1 has no authorities or privileges, which of the following privileges are needed?

- A. DELETE privilege on the table
- B. DELETE privilege on the alias
- C. DELETE privilege on the alias; REFERENCES privilege on the table
- D. REFERENCES privilege on the alias; DELETE privilege on the table

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 51**

A user utilizing an alias to update a subset of columns in a table must have UPDATE privileges on which of the following DB2 objects?

- A. Table
- B. Columns
- C. Table and Alias
- D. Columns and Alias

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 52**

Assuming PUBLIC has been granted all privileges on table T1, which of the following statements would continue to permit any user to add rows to table T1, but not remove them?

- A. REVOKE DROP ON t1 FROM PUBLIC
- B. REVOKE UPDATE ON t1 FROM PUBLIC
- C. REVOKE DELETE ON t1 FROM PUBLIC
- D. REVOKE CONTROL ON t1 FROM PUBLIC

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 53**

Which of the following statements is used to grant user TOM and Application team APPGRP the ability to add data to table TAB1?

- A. GRANT ADD DATA ON TABLE tab1 TO GROUP tomappgrp
- B. GRANT INSERT TO USER tom, GROUPappgrp ON TABLE tab1
- C. GRANT INSERT ON TABLE tab1 TO USER tom, GROUPappgrp
- D. GRANT ADD DATA ON TABLE tab1 TO USERappgrp, GROUP tom

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 54**

A "trusted" client needs to communicate with a server that has been configured to use CLIENT authentication. Which of the following will be used to verify passwords?

- A. User ID/password file
- B. Communications layer
- C. Client applications
- D. Operating system

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 55**

On which of the following database objects may the SELECT privilege be controlled?

- A. Sequence
- B. Schema
- C. Group
- D. View

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

A user needs to create a trigger that will update table T2 whenever a row is added to table T1. Assuming the user has all appropriate privileges for table T2, which privilege is required on table T1 to create the trigger?

- A. REFERENCES
- B. SELECT
- C. UPDATE
- D. ALTER

**Correct Answer: D**

**Explanation**



**Explanation/Reference:**

**QUESTION 57**

User USER1 holds CONTROL privilege on table TABLE1. Which two of the following statements is user USER1 allowed to execute?

- A. GRANT CONTROL ON table1 TO user2
- B. GRANT LOAD ON table1 TO user2
- C. GRANT INSERT,UPDATE ON table1 TO user2 WITH GRANT OPTION
- D. GRANT BINDADD ON table1 TO PUBLIC
- E. GRANT ALL PRIVILEGES ON table1 TO PUBLIC

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 58**

A user wishing to invoke an SQL stored procedure that queries a table must have which of the following privileges?

- A. CALL privilege on the procedure; SELECT privilege on the table
- B. CALL privilege on the procedure; REFERENCES privilege on the table
- C. EXECUTE privilege on the procedure; SELECT privilege on the table
- D. EXECUTE privilege on the procedure; REFERENCES privilege on the table

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 59**

After the following SQL statement is executed:

```
GRANT ALL PRIVILEGES ON TABLE employee TO USER user1
```

Assuming user USER1 has no other authorities or privileges, which of the following actions is user USER1 allowed to perform?

- A. Drop an index on the EMPLOYEE table
- B. Grant all privileges on the EMPLOYEE table to other users
- C. Alter the table definition
- D. Drop the EMPLOYEE table

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 60**

Which two of the following privileges is required in order to use a package?

- A. BINDADD
- B. BIND
- C. CONNECT
- D. EXECUTE
- E. USE

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

#### **QUESTION 61**

Which of the following statements allows USER1 to take away read access on the table ORG.TAB1 from USER2?

- A. REVOKE SELECT FROM user2 ON TABLE org.tab1
- B. REVOKE SELECT ON TABLE org.tab1 FROM user2
- C. REVOKE READ ACCESS FROM user2 ON TABLE org.tab1
- D. REVOKE READ ACCESS ON TABLE org.tab1 FROM user2

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

#### **QUESTION 62**

Which of the following statements allows user USER1 to take the ability to create packages in a database named SAMPLE away from user USER2?

- A. REVOKE CONNECT ON DATABASE FROM user2
- B. REVOKE CREATETAB ON DATABASE FROM user2
- C. REVOKE BIND ON DATABASE FROM user2
- D. REVOKE BINDADD ON DATABASE FROM user2

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

#### **QUESTION 63**

Which of the following will provide user USER1 and all members of the group GROUP1 with the ability to perform DML, but no other operations on table TABLE1?

- A. GRANT INSERT, UPDATE, DELETE, SELECT ON TABLE table1 TO user1 AND group1
- B. GRANT INSERT, UPDATE, DELETE, SELECT ON TABLE table1 TO USER user1, GROUP group1
- C. GRANT ALL PRIVILEGES EXCEPT ALTER, INDEX, REFERENCES ON TABLE table1 TO USER user1, GROUP group1
- D. GRANT CONTROL ON TABLE table1 TO user1 AND group1

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 64**

What does the following statement do?

GRANT REFERENCES (col1, col2) ON TABLE table1 TO user1 WITH GRANT OPTION

- A. Gives user USER1 the ability to refer to COL1 and COL2 of table TABLE1 in queries, along with the ability to give this authority to other users and groups.
- B. Gives user USER1 the ability to refer to COL1 and COL2 of table TABLE1 in views, along with the ability to give this authority to other users and groups.
- C. Gives user USER1 the ability to define a referential constraint on table TABLE1 using columns COL1 and COL2 as the parent key of the constraint.
- D. Gives user USER1 the ability to define a referential constraint on table TABLE1 using columns COL1 and COL2 as the foreign key of the constraint.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 65**

User USER1 is the owner of TABLE1. Assuming user USER1 only holds privileges for TABLE1,

- A. REVOKE CONTROL ON table1 FROM user1
- B. REVOKE ALL PRIVILEGES ON table1 FROM user1
- C. REVOKE CONTROL ON table1 FROM user1;  
REVOKE ALL PRIVILEGES ON table1 FROM user1;
- D. REVOKE CONTROL, ALL PRIVILEGES ON table1 FROM user1

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 66**

User USER1 has the privileges needed to invoke a stored procedure named GEN\_RESUME. User USER2 needs to be able to call the procedure - user USER1 and all members of the group PUBLIC should no longer be allowed to call the procedure. Which of the following statement(s) can be used to accomplish this?

- A. GRANT EXECUTE ON ROUTINEgen\_resume TO user2 EXCLUDE user1, PUBLIC
- B. GRANT EXECUTE ON PROCEDUREgen\_resume TO user2;  
REVOKE EXECUTE ON PROCEDURE gen\_resume FROM user1, PUBLIC;
- C. GRANT CALL ON ROUTINEgen\_resume TO user2 EXCLUDE user1 PUBLIC
- D. GRANT CALL ON PROCEDUREgen\_resume TO user2;  
REVOKE CALL ON PROCEDURE gen\_resume FROM user1, PUBLIC;

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 67**

A view named V.VIEW1 is based on a table named T.TABLE1. A user with DBADM authority issues the following statement:

```
GRANT INSERT ON v.view1 TO user1 WITH GRANT OPTION
```

Which of the following statements is USER1 authorized to execute?

- A. GRANT INSERT ON t.table1 TO user2
- B. GRANT CONTROL ON v.view1 TO user2
- C. GRANT ALL PRIVILEGES ON v.view1 TO user2
- D. GRANT INSERT ON v.view1 TO user2

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 68**

What does the following statement do?

- A. Gives USER1 the ability to change the comment associated with a sequence named GEN\_EMPID, along with the ability to give this CONTROL authority for the sequence to other users and groups.
- B. Gives USER1 the ability to change the values returned by the PREVIOUS\_VALUE and NEXT\_VALUE expressions associated with a sequence named GEN\_EMPID, along with the ability to give CONTROL authority for the sequence to other users and groups.
- C. Gives USER1 the ability to change the comment associated with a sequence named GEN\_EMPID, along with the ability to give this authority to other users and groups.
- D. Gives USER1 the ability to change the values returned by the PREVIOUS\_VALUE and NEXT\_VALUE expressions associated with a sequence named GEN\_EMPID, along with the ability to give this authority to other users and groups.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 69**

A user invoking a user-defined function requires which DB2 privilege?

- A. CALL
- B. USAGE
- C. EXECUTE
- D. REFERENCES

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 70**

Which of the following statements is used to prevent user TOM from adding and deleting data in table TAB1?

- A. REVOKE ADD, DELETE FROM USER tom ON TABLE tab1
- B. REVOKE ADD, DELETE ON TABLE tab1 FROM USER tom

- C. REVOKE INSERT, DELETE FROM USER tom ON TABLE tab1
- D. REVOKE INSERT, DELETE ON TABLE tab1 FROM USER tom

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 71**

Which of the following privileges permits a user to update the comment on a sequence?

- A. CONTROL
- B. UPDATE
- C. USAGE
- D. ALTER

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 72**

Which of the following statements is used to revoke all DML privileges on table EMPLOYEE from user TOM?

- A. REVOKE ALL PRIVILEGES FROM USER tom
- B. REVOKE ALL ON EMPLOYEE FROM USER tom
- C. REVOKE EXECUTE ON EMPLOYEE FROM USER tom
- D. REVOKE PRIVILEGES ON EMPLOYEE FROM USER tom

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 73**

What is the lowest privilege and/or authority required to execute the following SQL statement?

```
CREATE VIEW view1 AS  
SELECT * FROM table1  
WHERE STATE = 'TX'
```

- A. DBADM authority
- B. SYSADM authority
- C. SELECT privilege on TABLE1
- D. REFERENCES privilege on TABLE1

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 74**

Which of the following statements allows BOB to revoke access to the SAMPLE database from user TOM?

- A. REVOKE ACCESS ON DATABASE FROM USER bob
- B. REVOKE CONNECT ON DATABASE FROM USER tom
- C. REVOKE tom FROM ACCESS ON DATABASE BY USER bob
- D. REVOKE tom FROM CONNECT ON DATABASE BY USER bob

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 75**

While attempting to connect to a database stored on an iSeries server from a Windows client, the following message was displayed:

SQL1013N The database alias name or database name "TEST\_DB" could not be found. Which of the following actions can be used to help determine why this message was displayed?

- A. Execute the LIST REMOTE DATABASES command on the server; look for an entry for the TEST\_DB database
- B. Execute the LIST DCS DIRECTORY command on the server; look for an entry for the TEST\_DB database
- C. Execute the LIST REMOTE DATABASES command on the client; look for an entry for the TEST\_DB database
- D. Execute the LIST DCS DIRECTORY command on the client; look for an entry for the TEST\_DB database

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 76**

A database named TEST\_DB resides on a z/OS system and listens on port 446. The TCP/IP address for this system is 192.168.10.20 and the TCP/IP host name is MYHOST. Which of the following commands is required to make this database accessible to a Linux client?

- A. CATALOG TCPIP NODEzos\_svr REMOTE myhost SERVER 192.168.10.20; CATALOG DATABASE zos\_db AS test\_db AT NODE zos\_svr; CATALOG DCS DATABASE zos\_db AS test\_db;
- B. CATALOG TCPIP NODEzos\_svr REMOTE myhost SERVER 192.168.10.20; CATALOG DCS DATABASE zos\_db AS test\_db AT NODE zos\_svr;
- C. CATALOG TCPIP NODEzos\_svr REMOTE myhost SERVER 446; CATALOG DCS DATABASE zos\_db AS test\_db AT NODE zos\_svr;
- D. CATALOG TCPIP NODEzos\_svr REMOTE myhost SERVER 446; CATALOG DATABASE zos\_db AS test\_db AT NODE zos\_svr; CATALOG DCS DATABASE zos\_db AS test\_db;

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 77**

Which of the following statements will catalog the database MYDB on the node MYNODE and assign it the alias MYNEWDB?

- A. CATALOG DATABASEmynewdb AT NODE mynode
- B. CATALOG DATABASEmynewdb AS mydb AT NODE mynode
- C. CATALOG DATABASEmydb AT NODE mynode
- D. CATALOG DATABASEmydb AS mynewdb AT NODE mynode

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 78**

Which of the following are NOT stored in the system catalog tables?

- A. SQL statements used to create views
- B. SQL statements used to create triggers
- C. SQL statements used to create constraints
- D. Table names

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 79**

Which of the following tools can NOT be used to catalog a database?

- A. Control Center
- B. SQL Assist
- C. Configuration Assistant
- D. Command Line Processor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 80**

In which of the following scenarios would a stored procedure be beneficial?

- A. An application running on a remote client needs to be able to convert degrees Celsius to degrees Fahrenheit and vice versa
- B. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables
- C. An application running on a remote client needs to track every modification made to a table that contains sensitive data
- D. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique, sequential employee number

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 81**

If the following SQL statements are executed in the order shown:

```
CREATE TABLE orders  
(order_num INTEGER NOT NULL,  
buyer_name VARCHAR(35),  
amount NUMERIC(5,2));
```

```
CREATE UNIQUE INDEX idx_orderno ON orders (order_num);
```

Which of the following describes the resulting behavior?

- A. Every ORDER\_NUM value entered must be unique; whenever the ORDERS table is queried rows should be displayed in order of increasing ORDER\_NUM values
- B. Every ORDER\_NUM value entered must be unique; whenever the ORDERS table is queried rows will be displayed in no particular order
- C. Duplicate ORDER\_NUM values are allowed; no other index can be created for the ORDERS table that reference the ORDER\_NUM column
- D. Every ORDER\_NUM value entered must be unique; no other index can be created for the ORDERS table that reference the ORDER\_NUM column

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 82**

An alias can be an alternate name for which two of the following DB2 objects?

- A. Sequence
- B. Trigger
- C. View
- D. Schema
- E. Table

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 83**

Which of the following events will NOT cause a trigger to be activated?

- A. A select operation
- B. An insert operation
- C. An update operation
- D. A delete operation

**Correct Answer: A**

**Explanation**



**Explanation/Reference:**

**QUESTION 84**

If a view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY, which of the following is NOT an accurate statement?

- A. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY information
- B. View V1 can be used as a data source for other views
- C. View V1 does not have to reside in the same schema as the EMPLOYEE table
- D. All data, except SALARY data that is stored in the EMPLOYEE table is copied to the physical location associated with view V1

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 85**

Which of the following would NOT provide access to data stored in table TABLE1 using the name T1?

- A. An alias named T1 that references table TABLE1
- B. A view named T1 that references table TABLE1
- C. A schema named T1 that references table TABLE1
- D. An alias named T1 that references a view named V1 that references table TABLE1

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 86**

Which of the following DB2 objects can be referenced by an INSERT statement to generate values for a column?

- A. Sequence
- B. Identity column
- C. Trigger
- D. Table function

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 87**

A sequence was created with the DDL statement shown below:

```
CREATE SEQUENCE my_seq START WITH 10 INCREMENT BY 10 CACHE 10
```

User USER1 successfully executes the following statements in the order shown:

```
VALUES NEXT VALUE FOR my_seq INTO :hvar;  
VALUES NEXT VALUE FOR my_seq INTO :hvar;
```

User USER2 successfully executes the following statements in the order shown:

```
ALTER SEQUENCE my_seq RESTART WITH 5 INCREMENT BY 5 CACHE 5; VALUES NEXT VALUE FOR  
my_seq INTO :hvar;
```

After users USER1 and USER2 are finished, user USER3 executes the following query:

```
SELECT NEXT VALUE FOR my_seq FROM sysibm.sysdummy1
```

What value will be returned by the query?

- A. 5
- B. 10
- C. 20
- D. 30

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### QUESTION 88

Given the following statements:

```
CREATE TABLE tab1 (c1 INTEGER, c2 CHAR(5));  
CREATE VIEW view1 AS SELECT c1, c2 FROM tab1 WHERE c1 < 100; CREATE VIEW view2 AS SELECT  
c1, c2 FROM view1  
WITH CASCADED CHECK OPTION;
```

Which of the following INSERT statements will fail to execute?

- A. INSERT INTO view2 VALUES(50, 'abc')
- B. INSERT INTO view1 VALUES (100, 'abc')
- C. INSERT INTO view2 VALUES(150, 'abc')
- D. INSERT INTO view1 VALUES(100, 'abc')

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### QUESTION 89

Given the following statements:

```
CREATE TABLE t1 (c1 INTEGER, c2 CHAR(5));  
CREATE TABLE t1audit (user VARCHAR(20), date DATE, action VARCHAR(20));  
  
CREATE TRIGGER trig1 AFTER INSERT ON t1  
FOR EACH ROW  
MODE DB2SQL  
INSERT INTO t1audit VALUES (CURRENT USER, CURRENT DATE, 'Insert');
```

If user USER1 executes the following statements:

```
INSERT INTO t1 VALUES (1, 'abc');  
INSERT INTO t1 (c1) VALUES (2);  
UPDATE t1 SET c2 = 'ghi' WHERE c1 = 1;
```

How many new records will be written to the database?

- A. 0
- B. 2
- C. 3
- D. 4

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 90**

Which of the following is NOT an attribute of Declared Global Temporary Tables (DGTTs)?

- A. Each application that defines a DGTT has its own instance of the DGTT
- B. Two different applications cannot create DGTTs that have the same name
- C. DGTTs can only be used by the application that creates them, and only for the life of the application
- D. Data stored in a DGTT can exist across transaction boundaries

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 91**

Which of the following is an accurate statement about packages?

- A. Packages provide a logical grouping of database objects.
- B. Packages contain control structures that are considered the bound form for SQL statements
- C. Packages describe the objects in a DB2 database and their relationship to each other
- D. Packages may be used during query optimization to improve the performance for a subset of SELECT queries

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 92**

Given the following information:

```
Protocol: TCP/IP  
Port Number: 5000  
Host Name: DB_SERVER  
Database Name: TEST_DB  
Database Server Platform: Linux
```

- A. CATALOG DATABASE test\_db AS test\_db REMOTE TCPIP SERVER db\_server PORT 5000 OSTYPE LINUX;
- B. CATALOG TCPIP NODE 5000 REMOTE SERVER db\_server OSTYPE LINUX; CATALOG DATABASE test\_db AS test\_db AT NODE db\_server AUTHENTICATION SERVER;
- C. CATALOG TCPIP NODE db\_server REMOTE db\_server SERVER 5000 OSTYPE LINUX; CATALOG DATABASE test\_db AS test\_db AT NODE db\_server AUTHENTICATION SERVER;
- D. CATALOG TCPIP NODE db\_server REMOTE db\_server PORT 5000 OSTYPE LINUX; CATALOG DATABASE test\_db AS test\_db AT NODE db\_server AUTHENTICATION SERVER;

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

### QUESTION 93

Which object may be used during query optimization to improve the performance for a subset of SELECT queries?

- A. MQT
- B. Trigger
- C. Read Only Cursor
- D. Stored Procedure

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

### QUESTION 94

A DRDA host database resides on a z/OS or an i5/OS system and listens on port 446. The TCP/IP address for this system is 192.168.10.1 and the TCP/IP host name is myhost. Which of the following commands is required to update the local node directory so that a DB2 client can access this DRDA database?

- A. CATALOG TCPIP NODE myhost REMOTE db2srv SERVER 446
- B. CATALOG TCPIP NODE mydb2srv REMOTE myhost SERVER 446
- C. CATALOG TCPIP NODE myhost REMOTE db2srv SERVER 192.168.10.1
- D. CATALOG TCPIP NODE mydb2srv REMOTE myhost SERVER 192.168.10.1

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

### QUESTION 95

Given the following ALTER SEQUENCE statement:

ALTER SEQUENCE myseq RESTART WITH 0 INCREMENT BY 1 NO MAXVALUE CACHE 5 ORDER

Assuming that the sequence had reached a value of 100 prior to the RESTART, which of the following is true?

- A. The next value will be 0 and the sequence will never use the values 101 to 105.
- B. The next value will be 101 to ensure uniqueness between existing and newly generated sequence values.
- C. Previously cached values are retained by DB2, and after the restart, will be used for values 101 to 105.

D. The next value will be 0 and DB2 will not ensure uniqueness between existing and newly generated values.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 96**

Within the application MY\_APP the following PREVIOUS VALUE expression references the sequence MY\_SEQ:

PREVIOUS VALUE FOR my\_seq

After which of the following events will the most recently generated value of MY\_SEQ persist so that it can be returned to the active MY\_APP application?

- A. After a ROLLBACK is issued
- B. After the sequence is altered
- C. After the sequence is dropped
- D. After the current session ends

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 97**

A declared temporary table is used for which of the following purposes?

- A. Backup purposes
- B. Storing intermediate results
- C. Staging area for load operations
- D. Sharing result data sets between applications

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 98**

Which of the following DB2 objects is NOT considered executable using SQL?

- A. Routine
- B. Function
- C. Procedure
- D. Trigger

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 99**

Which of the following is NOT an accurate statement about views?

- A. Views are publicly referenced names and no special authority or privilege is needed to use them.
- B. Views can be used to restrict access to columns in a base table that contain sensitive data
- C. Views can be used to store queries that multiple applications execute on a regular basis in a database
- D. Views support INSTEAD OF triggers

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 100**

Which of the following SQL statements can be used to create a DB2 object to store numerical data as EURO data?

- A. CREATE NICKNAME euro FOR DECIMAL (9,3)
- B. CREATE ALIAS euro FOR DECIMAL (9,3)
- C. CREATE DISTINCT TYPE euro AS DECIMAL (9,3)
- D. CREATE DATA TYPE euro AS DECIMAL (9,3)

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 101**

Which of the following DB2 objects are publicly referenced names that require no special authority or privilege to use them?

- A. View
- B. Alias
- C. Table
- D. Package

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 102**

Which of the following describes the objects of a DB2 database and their relationships?

- A. Instance
- B. Table space
- C. System catalog
- D. Schema repository

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 103**

Which of the following database objects is considered executable using SQL?

- A. View
- B. Table
- C. Routine
- D. Package

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 104**

Given the following DDL and INSERT statements:

```
CREATE VIEW v1 AS SELECT col1 FROM t1 WHERE col1 > 10; CREATE VIEW v2 AS SELECT col1 FROM v1 WITH CASCADED CHECK OPTION; CREATE VIEW v3 AS SELECT col1 FROM v2 WHERE col1 < 100; INSERT INTO v1 VALUES(5); INSERT INTO v2 VALUES(5); INSERT INTO v3 VALUES(20); INSERT INTO v3 VALUES(100);
```

How many of these INSERT statements will be successful?

- A. 0
- B. 1
- C. 2
- D. 3

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 105**

When a client using the SERVER\_ENCRYPT authentication type connects to a server using the SERVER authentication type, what happens?

- A. An error will occur.
- B. Data passed between the client and the server is encrypted.
- C. User IDs and passwords are passed to the server unencrypted.
- D. User IDs and passwords are encrypted before they are passed to the server.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 106**

A programmer wants to generate values for a numeric ID column in their EXPENSE table. The ID column values need to be incremented by 1000 for each new expense report added to the EXPENSE table. Which

DB2 object can be referenced by an INSERT statement to meet this requirement?

- A. Sequence
- B. Table Function
- C. Identity Column
- D. INSTEAD OF Trigger

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

**QUESTION 107**

The following SQL statements were executed in sequence:

```
CREATE DISTINCT TYPE salary AS decimal(7,2) WITH COMPARISONS; CREATE TABLE staffsalary(empid INT, empsalary salary); INSERT INTO staffsalary VALUES (10, 50000), (20, 50000.00); UPDATE staffsalary SET empsalary = 60000
```

What is the current content of the staffsalary table?

- A. ID | EMP SALARY ----- 10 | 60000 20 | 50000.00 -----
- B. ID | EMP SALARY ----- 10 | 50000.00 20 | 50000.00 -----
- C. ID | EMP SALARY ----- 10 | 60000.00 20 | 60000.00 -----
- D. ID | EMP SALARY ----- 10 | 60000.00 20 | 50000.00 -----

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 108**

Which of the following provides a logical grouping of database objects?

- A. View
- B. Table
- C. Schema
- D. Buffer pool

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 109**

Given the following DDL for the PARTS table:

```
CREATE TABLE parts  
(part_no INT(9) NOT NULL,  
part_name VARCHAR(24),  
part_remain INT(9));
```

All part numbers entered will be different and all rows should be displayed in order of increasing part numbers whenever the table is queried. Which of the following create index statements will meet this criteria and require



the least amount of storage for the index object?

- A. CREATE UNIQUE INDEXidx\_partno ON parts(part\_no)
- B. CREATE UNIQUE INDEXidx\_partno ON parts(part\_name ASC)
- C. CREATE UNIQUE INDEXidx\_partno ON parts(part\_name, part\_no ASC)
- D. CREATE UNIQUE INDEXidx\_partno ON parts(part\_no, part\_name ASC)

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

#### QUESTION 110

Which of the following is a characteristic of a sequence?

- A. A sequence will never generate duplicate values.
- B. The MAXVALUE of a sequence can be equal to the MINVALUE.
- C. It is not possible to create a sequence that generates a constant since the INCREMENT value must be greater than zero.
- D. When a sequence cycles back to either the MAXVALUE or MINVALUE, it will always be equal to the specified value of either of these two boundaries.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

#### QUESTION 111

A sequence was created with the DDL statement shown below:

```
CREATE SEQUENCE my_sequence CACHE 10 ORDER
```

The following statements are successfully executed in sequence through separate database connections:

```
CONNECTION1 - VALUES NEXT VALUE FOR my_sequence INTO :con1hvar  
CONNECTION2 - VALUES NEXT VALUE FOR my_sequence INTO :con2hvar  
CONNECTION1 - VALUES NEXT VALUE FOR my_sequence INTO :con1hvar
```

What is the current value of the :con1hvar host variable?

- A. 2
- B. 3
- C. 11
- D. 30

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

#### QUESTION 112

A sequence was created with the DDL statement shown below:

```
CREATE SEQUENCE my_seq START WITH 5 INCREMENT BY 5 CACHE 5
```

User1 successfully executes the following statements in Connection1:

```
VALUES NEXT VALUE FOR my_seq INTO :con1hvar
```

```
VALUES NEXT VALUE FOR my_seq INTO :con1hvar
```

User2 successfully executes the following statement in Connection2:

```
VALUES NEXT VALUE FOR my_seq INTO :con2hvar
```

After User1 & User2 are finished, User3 executes the following statement in Connection3:

```
SELECT NEXT VALUE FOR my_seq FROM sysibm.sysdummy1
```

Which value will be returned by the query?

- A. 20
- B. 25
- C. 50
- D. 55

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 113**

An Alias can be an alternate name for which DB2 object?

- A. Sequence
- B. Trigger
- C. Schema
- D. View

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 114**

Which of the following objects contains control structures that are considered the bound form of SQL statements?

- A. UDT
- B. Trigger
- C. Package
- D. Access plan

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 115**

Which of the following commands is used to retrieve database names from the local catalog for DRDA host

databases on System i and System z?

- A. LIST DB DIRECTORY
- B. LIST DCS DIRECTORY
- C. LIST NODE DIRECTORY
- D. LIST ACTIVE DATABASES

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 116**

Which of the following are types of routine objects?

- A. Package and function
- B. Function and userexit
- C. Procedure and package
- D. Function and procedure

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 117**

A stored procedure object is created into which DB2 object?

- A. Alias
- B. Schema
- C. Package
- D. Routine Space

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 118**

The following statements:

```
CREATE TABLE t1 (col1 INT NOT NULL, PRIMARY KEY (col1)); CREATE TABLE t2 (col1 INT NOT NULL, col2 CHAR(1) NOT NULL, PRIMARY KEY (col1, col2), FOREIGN KEY (col1) REFERENCES t1 (col1) ON DELETE CASCADE ON UPDATE RESTRICT); CREATE TABLE t3 (col1 INT NOT NULL, col2 INT NOT NULL, PRIMARY KEY (col1, col2), FOREIGN KEY (col1) REFERENCES t1 (col1) ON DELETE NO ACTION ON UPDATE RESTRICT); INSERT INTO t1 VALUES (1), (2); INSERT INTO t2 VALUES (1, 'a'), (1, 'b'), (2, 'c'); INSERT INTO t3 VALUES (1, 100), (2, 200), (2, 300);
```

How many rows will be deleted by the following DELETE statement? DELETE FROM t1 WHERE col1 = 1;

- A. 4
- B. 3
- C. 1
- D. 0

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 119**

A number of applications issue the following SQL statement:

```
SELECT d.deptno, e.empno, e.salary FROM department d INNER JOIN employee e ON d.deptno = e.deptno
```

A database administrator wishes to store this query within the database. Which of the following database objects can be used to accomplish this?

- A. Alias
- B. View
- C. Schema
- D. Trigger

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 120**

Given the following statements:

```
CREATE TABLE tab1 (col1 INT);  
CREATE TABLE tab2 (col1 INT);  
CREATE TRIGGER trig1 AFTER UPDATE ON tab1  
REFERENCING NEW AS new1  
FOR EACH ROW MODE DB2SQL  
INSERT INTO tab2 VALUES(new1.col1);  
INSERT INTO tab1 VALUES(2),(3);
```

What is the result of the following query?

```
SELECT count(*) FROM tab2;
```

- A. 3
- B. 2
- C. 1
- D. 0

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 121**

Given the following function:

```
CREATE FUNCTION emplist ()
RETURNS TABLE ( id CHAR(6)
, firstname VARCHAR(12)
, lastname VARCHAR(15) )
LANGUAGE SQL
BEGIN ATOMIC
RETURN
SELECT EMPNO, FIRSTNME, LASTNAME
FROM EMPLOYEE
WHERE WORKDEPT IN ('A00', 'B00');
END
```

How can this function be used in an SQL statement?

- A. SELECTTABLE(EMPLIST()) FROM EMPLOYEE
- B. SELECTTABLE(EMPLIST()) AS t FROM EMPLOYEE
- C. SELECTEMPLIST(id, firstname, lastname) FROM EMPLOYEE
- D. SELECT id,firstname, lastname FROM TABLE(EMPLIST()) AS t

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 122**

Given the following query:

```
SELECT last_name, first_name, age, hire_date
FROM employee
WHERE age > 40
```

Which of the following clauses must be added to return the rows sorted by AGE, oldest first, and by LAST\_NAME, from A to Z?

- A. SORT BY age ASC,last\_name
- B. SORT BY age DESC,last\_name
- C. ORDER BY age DESC,last\_name
- D. ORDER BY age ASC,last\_name

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 123**

Which of the following will DELETE all of the rows from table T03?

- A. DELETE \* FROM TABLE T03
- B. DELETE ALL FROM T03
- C. DELETE \* FROM T03
- D. DELETE FROM T03

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 124**

Given the following table definitions:

EMPLOYEE  
ID NAME DEPTID

-----  
01 Smith 10  
02 Bossy 20  
03 Peterson 20  
04 Goss 30  
05 Pape 40  
06 Avery 50  
07 O'Neal 60  
08 Carter 50

DEPARTMENT  
ID DEPTNAME

-----  
05 Hardware  
10 Kitchen  
20 Shoes  
30 Toys  
40 Electronics  
50 Automotive

and the following query:

```
SELECT e.id, d.deptname  
FROM employee e, department d  
WHERE e.deptid = d.id AND e.id > 4
```

Which of the following queries will produce the same result set as the query above?

- A. SELECT e.id,d.deptname  
FROM employee e, department d  
WHERE e.id > 4
- B. SELECT e.id,d.deptname  
FROM employee e  
INNER JOIN  
department d  
ON e.deptid = d.id  
WHERE e.id > 4
- C. SELECT e.id,d.deptname  
FROM employee e  
FULL OUTER JOIN  
department d  
ON e.id = d.id  
WHERE e.id > 4
- D. SELECT e.id,d.deptname  
FROM employee e  
LEFT OUTER JOIN  
department d  
ON e.deptid = d.id  
WHERE e.id > 4  
UNION ALL  
SELECT e.id, d.deptname  
FROM employee e  
RIGHT OUTER JOIN

```
department d
ON e.deptid = d.id
WHERE e.id > 4
```

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 125**

Which of the following is a feature of a unit of work?

- A. It applies to a single data server.
- B. It is a recoverable sequence of operations.
- C. Its value can be queried from the system catalog tables.
- D. It begins when the application connects to the data server.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 126**

Consider the following table called EMPLOYEES:

```
ID FIRSTNAME LASTNAME JOB LEVEL
----- 1 Paul Jones DBA 2
2 George Baker MGR 1
3 Roger Melvin CLERK 3
4 Jim Smith MGR 1
5 Kevin Street CLERK 3
6 Chris Eaton MGR 1
```

If the following SQL statement is executed, how many rows will be deleted? DELETE FROM employees WHERE 1 = 1

- A. 0
- B. 1
- C. 3
- D. 6

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 127**

Given the following query:

```
SELECT quantity,
CASE WHEN itemcode = '099' THEN 'SILVER'
WHEN itemcode = '788' THEN 'GOLD'
WHEN itemcode = '899' THEN 'PLATINUM'
ELSE 'ERROR'
```

END  
FROM supplier

What will be the result of the query if the following data is evaluated by the CASE expression?

SUPPLIER

-----  
QUANTITY ITEMCODE

3 099

4 099

1 788

1 899

5 009

3 788

1 899

- A. 3,SILVER  
4,GOLD  
1,SILVER  
1,GOLD  
5,PLATINUM  
3,SILVER  
1,GOLD
- B. 3,SILVER  
4,SILVER  
1,GOLD  
1,PLATINUM  
5,ERROR  
3,GOLD  
1,PLATINUM
- C. 3,SILVER  
4,SILVER  
1,PLATINUM  
1,ERROR  
5,SILVER  
3,GOLD  
1,PLATINUM
- D. 3,SILVER  
1,GOLD  
1,GOLD  
5,SILVER  
3,ERROR  
1,PLATINUM

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 128**

In which of the following situations should correlation names be used?

- A. A table referenced in the FROM clause has no indexed column.
- B. The table referenced in the FROM clause has more than 200 columns.
- C. Two or more tables in the FROM clause have identical column names.
- D. The FROM clause contains two or more tables in the SELECT statement.



**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 129**

Which of the following statements eliminates all but one of each set of duplicate rows in the DEPT column in the STAFF table?

- A. SELECT UNIQUE dept FROM staff
- B. SELECT DISTINCT dept FROM staff
- C. SELECT (dept) UNIQUE FROM staff
- D. SELECT (dept) DISTINCT FROM staff

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 130**

Given the following tables:

```
CONTINENTS
ID NAME COUNTRIES
1 Antarctica 0
2 Africa 53
3 Asia 47
4 Australia 14
6 North America 23
7 South America 12
REGION
ID LOCATION
1 East
2 West
```

How many rows would be returned using the following statement?

```
SELECT location FROM continents, region
```

- A. 2
- B. 7
- C. 9
- D. 14

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 131**

How should the following UDF be invoked in order to convert US currency values stored in the EXPENSES table into Canadian currency?

```
CREATE FUNCTION getratews11 (
```

```
country1 VARCHAR(100),
country2 VARCHAR(100) )
RETURNS DOUBLE
LANGUAGE SQL
CONTAINS SQL
EXTERNAL ACTION NOT DETERMINISTIC
BEGIN
...
END
```

- A. CALLgetratews11('USA','CANADA')
- B. CALLexpenses.getratews11('USA','CANADA')
- C. SELECTgetratews11('USA','CANADA') FROM expenses
- D. SELECT \* FROMTABLE(getratews11('USA','CANADA')) AS convert\_currency

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

### QUESTION 132

Given that tables T1 and T2 contain the following rows:

Table T1:

C1 C2

-- --

5 4

5 2

5 5

Table T2:

C1 C2

-- --

5 1

5 2

5 3

Which of the following queries will return only those rows that exist in T1 and not in T2 ?

- A. SELECT \* FROM T1  
MINUS  
SELECT \* FROM T2
- B. SELECT \* FROM T1  
EXCEPT  
SELECT \* FROM T2
- C. SELECT \* FROM T2  
UNION EXCEPT  
SELECT \* FROM T1
- D. SELECT \* FROM T1  
NOT EXISTS  
SELECT \* FROM T2

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

### QUESTION 133

Given the following two tables:

TAB1  
C1 C2

---

1 Antarctica  
2 Africa  
3 Asia  
4 Australia

TAB2  
CX CY

---

5 Europe  
6 North America  
7 South America

Which of the following SQL statements will insert all rows found in table TAB2 into table TAB1?

- A. INSERT INTO tab1 SELECT cx, cy FROM tab2
- B. INSERT INTO tab1 VALUES (tab2.cx, tab2.cy)
- C. INSERT INTO tab1 VALUES (SELECT cx, cy FROM tab2)
- D. INSERT INTO tab1 (c1, c2) VALUES (SELECT cx, cy FROM tab2)

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### QUESTION 134

Given the following table and XML data stored in the CONTACTINFO column:

```
CREATE TABLE clients(  
id INT PRIMARY KEY NOT NULL,  
name VARCHAR(50),  
status VARCHAR(10),  
contactinfo XML)
```

```
<Client>  
<Address>  
<street>25 EastCreek</street>  
<city>Toronto</city>  
<prov-state>Ontario</prov-state>  
<pcode-zip>M8X-3T6</pcode-zip>  
</Address>  
<phone>  
<work>4165551358</work>  
<home>9051112222</home>  
<fax>9051112222</fax>  
</phone>  
<preferredcontact>by fax</preferredcontact>  
</Client>
```

What is the result of the following XQuery expression?

for \$y in db2-fn:xmlcolumn('CLIENTS.CONTACTINFO')/Client//fax return \$y

- A. 9051112222
- B. <fax>9051112222</fax>

- C. No results because there is no <fax> child element of <Client>
- D. No results because theXQuery expression is not a valid FLWOR expression

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 135**

57 Given table T1 has column I1 containing the following data:  
 I1

---

If the following sequence of SQL statements is applied within a single unit of work:

```
UPDATE t1 SET i1 = 3 WHERE i1 = 2; S
SAVEPOINT s1 ON ROLLBACK RETAIN CURSORS;
UPDATE t1 SET i1 = 5 WHERE i1 = 3;
SAVEPOINT s2 ON ROLLBACK RETAIN CURSORS;
INSERT INTO t1 (i1) VALUES (6);
ROLLBACK TO SAVEPOINT s1;
UPDATE t1 SET i1 = 2 WHERE i1 = 4;
COMMIT;
```

What is the expected sequence of values returned from?

```
SELECT i1 FROM t1 ORDER BY i1
```

- A. 1, 2, 3, 3
- B. 1, 2, 2, 4
- C. 1, 2, 3, 3, 6
- D. 1, 2, 2, 5, 6

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

**QUESTION 136**

Given the following two tables:

NAMES	
NAME	NUMBER
Wayne Gretzky	99
Jaromir Jagr	68
Bobby Orr	4
Bobby Hull	23
Mario Lemieux	66

POINTS	
NAME	POINTS
Wayne Gretzky	244
Bobby Orr	129

Brett Hull 121  
Mario Lemieux 189  
Joe Sakic 94

How many rows would be returned using the following statement?

SELECT name FROM names, points

- A. 0
- B. 5
- C. 10
- D. 25

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 137**

Given the following CREATE TABLE statement:

```
CREATE TABLE EMPLOYEE  
(EMPNO CHAR(3) NOT NULL,  
FIRSTNAME CHAR(20) NOT NULL,  
MIDINIT CHAR(1),  
LASTNAME CHAR(20) NOT NULL,  
SALARY DECIMAL(10, 2))
```

Which of the following will retrieve the rows that have a missing value in the MIDINIT column?

- A. SELECT \* FROM employee WHEREmidinit = ''
- B. SELECT \* FROM employee WHEREmidinit = NULL
- C. SELECT \* FROM employee WHEREmidinit = " "
- D. SELECT \* FROM employee WHEREmidinit IS NULL

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 138**

Given the following two tables:

TAB1

-----  
COL\_1 COL\_2  
-----

- A 10
- B 12
- C 14

TAB2

-----  
COL\_A COL\_B  
-----

- A 21
- C 23

D 25

Assuming the following results are desired:

```
COL_1 COL_2 COL_A COL_B
A 10 A 21
B 12 --
C 14 C 23
-- D 25
```

Which of the following joins will produce the desired results?

- A. SELECT \* FROM tab1 INNER JOIN tab2 ON col\_1 =col\_a
- B. SELECT \* FROM tab1 LEFT OUTER JOIN tab2 ON col\_1 =col\_a
- C. SELECT \* FROM tab1 RIGHT OUTER JOIN tab2 ON col\_1 =col\_a
- D. SELECT \* FROM tab1 FULL OUTER JOIN tab2 ON col\_1 =col\_a

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### QUESTION 139

If the following SQL statements are executed in the order shown:

```
CREATE TABLE table1 (c1 INTEGER, c2 INTEGER);
INSERT INTO table1 VALUES (123, 456);
UPDATE table1 SET c1 = NULL;
```

What will be the result of the following statement?

```
SELECT * FROM table1;
```

- A. C1 C2  
--- ---  
123 456  
1 record(s) selected.
- B. C1 C2  
--- ---  
NULL 456  
1 record(s) selected.
- C. C1 C2  
--- ---  
1 record(s) selected.
- D. C1 C2  
--- ---  
0 456  
1 record(s) selected.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### QUESTION 140

Given the following table:

TAB1

COL1 COL2

-----

A 10  
B 20  
C 30  
A 10  
D 40  
C 30

Assuming the following results are desired:

TAB1

COL1 COL2

-----

A 10  
B 20  
C 30  
D 40

Which of the following statements will produce the desired results?

- A. SELECT UNIQUE \* FROM tab1
- B. SELECT DISTINCT \* FROM tab1
- C. SELECT UNIQUE(\*) FROM tab1
- D. SELECT DISTINCT(\*) FROM tab1

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### QUESTION 141

The opening of cursor CSR01 produces the following result set:

```
STUDENT LASTNM FIRSTNM CLASSNO
123 Brown John T100
213 Bailey James T100
312 Carter Arlene T210
465 Chas Devon T305
546 Davis Steven T405
```

If this Fetch statement is executed:

```
FETCH csr01 INTO :studnum, :firstname, :lastname, :class
```

Which of the following DELETE statements will cause this row to be deleted?

- A. DELETE ALL FROM tab01 FOR CURRENT OF csr01
- B. DELETE FROM tab01 FOR CURRENT csr01 WITH RS
- C. DELETE \* FROM tab01 WHERE CURRENT csr01 WITH CS
- D. DELETE FROM tab01 WHERE CURRENT OF csr01 WITH RR

**Correct Answer: D**

## Explanation

### Explanation/Reference:

#### QUESTION 142

Given the following query:

```
SELECT quantity,  
CASE WHEN itemcode = '099' THEN 'SILVER'  
WHEN itemcode = '788' THEN 'GOLD'  
WHEN itemcode = '899' THEN 'PLATINUM'  
ELSE 'ERROR'  
END  
FROM supplier
```

What will be the result of the query if the following data is evaluated by the CASE expression?

SUPPLIER

-----  
QUANTITY ITEMCODE

3 099

4 099

1 788

1 899

5 009

3 788

1 899

- A. 3,SILVER  
4,GOLD  
1,SILVER  
1,GOLD  
5,PLATINUM  
3,SILVER  
1,GOLD
- B. 3,SILVER  
4,SILVER  
1,GOLD  
1,PLATINUM  
5,ERROR  
3,GOLD  
1,PLATINUM
- C. 3,SILVER  
4,SILVER  
1,PLATINUM  
1,ERROR  
5,SILVER  
3,GOLD  
1,PLATINUM
- D. 3,SILVER  
4,SILVER  
1,GOLD  
1,GOLD  
5,SILVER  
3,ERROR  
1,PLATINUM

**Correct Answer: B**



## Explanation

### Explanation/Reference:

#### QUESTION 143

Given the following expression:

```
SELECT QUANTITY,  
CASE WHEN ITEMCODE = '099' THEN "SILVER"  
WHEN ITEMCODE = '788' THEN "GOLD"  
WHEN ITEMCODE = '899' THEN "PLATINUM"  
ELSE ERROR  
END  
FROM SUPPLIER
```

What will be the result of the query if the following data is evaluated by the CASE expression?

QUANTITY ITEMCODE

3 099  
4 099  
1 788  
1 899  
5 009  
3 788  
1 899

- A. 3, SILVER  
4, GOLD  
1, SILVER  
1, GOLD  
5, PLATINUM  
3, SILVER  
1, GOLD
- B. 3, SILVER  
4, SILVER  
1, GOLD  
1, PLATINUM  
5, ERROR  
3, GOLD  
1, PLATINUM
- C. C. C.  
3, SILVER  
4, SILVER  
1, PLATINUM  
1, ERROR  
5, SILVER  
3, GOLD  
1, PLATINUM
- D.
- E.
- F. 3, SILVER  
4, SILVER  
1, GOLD  
1, GOLD  
5, SILVER  
1, PLATINUM

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 144**

Which of the following queries will correctly return the manager information sorted by the manager's last name, department and project name?

- A. SELECT lastname, dept, projname, manager, startdate  
FROM (SELECT name, dept, proj AS projname, manager, startdate FROM employee, project  
WHERE empno = empno) AS empproj  
ORDER BY name, dept, projname
- B. SELECT lastname, dept, projname, manager, startdate  
FROM (SELECT name AS lastname, dept, proj AS projname, manager, startdate FROM employee, project  
WHERE empno = mgrno) AS empproj  
SORT BY lastname, firstname, dept, projname
- C. SELECT lastname, dept, projname, manager, startdate  
FROM (SELECT name AS lastname, dept, proj AS projname, manager, startdate FROM employee, project  
WHERE empno = mgrno) AS empproj  
ORDER BY lastname ASC  
SORT BY dept, projname DESC
- D. SELECT lastname, dept, projname, manager, startdate  
FROM (SELECT name AS lastname, dept, proj AS projname, manager, startdate FROM employee, project  
WHERE empno = mgrno) AS empproj  
ORDER BY lastname, dept, projname

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 145**

Assuming table TAB1 contains 100 rows, which of the following queries will return only half of the rows available?

- A. SELECT \* FROM tab1 FIND FIRST 50 ROWS
- B. SELECT \* FROM tab1 FETCH FIRST 50 ROWS ONLY
- C. SELECT \* FROM tab1 WHILE ROW\_NUM < 50
- D. SELECT \* FROM tab1 MAXROWS 50

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 146**

Given the following two tables:

EMPLOYEE

ID NAME DEPTID

-----  
01 Mick Jagger 10

02 Keith Richards 20  
03 Ronnie Wood 20  
04 Charlie Watts 20  
05 Bill Wyman 30  
06 Brian Jones -

DEPARTMENT

ID DEPTNAME

-----  
10 Executive Staff  
20 Sales  
30 Marketing  
40 Engineering  
50 Human Resources

Which two of the following queries will display the employee name and department name for all employees that are in Sales?

- A. SELECT e.name,d.deptname  
FROM employee e, department d  
WHERE e.deptid = d.id AND d.id = '20'
- B. SELECT e.name,d.deptname  
FROM employee e FULL OUTER JOIN department d  
ON e.deptid = d.id  
WHERE d.id = '20'
- C. SELECT e.name,d.deptname  
FROM employee e RIGHT OUTER JOIN department d  
ON e.deptid = d.id  
WHERE d.id = '20'
- D. SELECT e.name,d.deptname  
FROM employee e LEFT OUTER JOIN department d  
ON e.deptid = d.id  
WHERE d.id = '20'
- E. SELECT e.name,d.deptname  
FROM employee e INNER JOIN department d  
ON e.deptid = d.id  
WHERE d.id = '20'

**Correct Answer:** DE

**Explanation**

**Explanation/Reference:**

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