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Vendor: IBM

Exam Code: A2090-730

Exam Name: Assessment: DB2 9 Fundamentals-
Assessment

Version: Demo

Question No : 1

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

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

Answer: B

Question No : 2

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

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

Answer: A

Question No : 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 Connect Enterprise Edition
- B. DB2 Workgroup Server Edition
- C. DB2 Workgroup Server Edition and DB2 Connect Enterprise Edition
- D. DB2 Enterprise Server Edition and DB2 Connect Enterprise Edition

Answer: D

Question No : 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. DB2 Enterprise Server Edition

Answer: D

Question No : 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. DB2 Enterprise Server Edition
- B. DB2 Personal Developer's Edition
- C. DB2 Universal Developer's Edition
- D. DB2 Universal Database Enterprise Edition and DB2 Connect Enterprise Edition

Answer: C

Question No : 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. DB2 Enterprise Server Edition

Answer: B

Question No : 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

Answer: A

Question No : 8

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

- A. Visual Explain
- B. Alert Center
- C. Journal
- D. Configuration Assistant

Answer: A

Question No : 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

Answer: D

Question No : 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

Answer: C

Question No : 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

Answer: D

Question No : 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

Answer: A,C

Question No : 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

Answer: B

Question No : 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

Answer: D

Question No : 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

Answer: A

Question No : 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

Answer: D

Question No : 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

Answer: C

Question No : 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

Answer: A

Question No : 19

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

-
- A. DB2 AVI Extender
 - B. DB2 Text Extender
 - C. DB2XML Extender
 - D. DB2 Spatial Extender

Answer: C

Question No : 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

Answer: C

Question No : 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

Answer: C

Question No : 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

Answer: A

Question No : 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

Answer: A

Question No : 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

Answer: B

Question No : 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. DB2 Enterprise Server Edition

Answer: D

Question No : 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

Answer: B

Question No : 27

For which of the following is a data warehouse optimized?

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

Answer: D

Question No : 28

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

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

Answer: C

Question No : 29

Which of the following is NOT true about XML columns?

- A. Data can be retrieved by SQL.
- B. Data can be retrieved by XQuery.
- 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.

Answer: C

Question No : 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

Answer: C

Question No : 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

Answer: B

Question No : 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 Connect Enterprise Edition
- D. DB2 for i5/OS SQL Development Kit

Answer: A

Question No : 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. DB2 Enterprise Server Edition

Answer: C

Question No : 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

Answer: A

Question No : 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

Answer: D

Question No : 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

Answer: A

Question No : 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 customers account?
 - D. What are the total sales for each of the last6 months?

Answer: D

Question No : 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 volumeand requires a complex star-schema topology

Answer: A

Question No : 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 ProcedureBuilder
Security

Answer: C

Question No : 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

Answer: D

Question No : 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

Answer: C,E

Question No : 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

Answer: B

Question No : 43

Which authority or privilege is granted by the DB2Database Manager configuration file?

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

Answer: C

Question No : 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

Answer: A,B

Question No : 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

Answer: D

Question No : 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

Answer: C

Question No : 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

Answer: D

Question No : 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 INDEX empid_x TO user1
- B. GRANT DELETE ON INDEXempid_x TO user1
- C. GRANT INDEX ON TABLE employee TO user1
- D. GRANT CONTROL ON INDEX empid_x TO user1

Answer: D

Question No : 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

Answer: B,D

Question No : 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. DELETEprivilege 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

Answer: A

Question No : 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

Answer: A

Question No : 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

Answer: C

Question No : 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 tom appgrp
- B. GRANT INSERT TO USER tom, GROUP appgrp ON TABLE tab1
- C. GRANT INSERT ON TABLE tab1 TO USER tom, GROUP appgrp
- D. GRANT ADD DATA ON TABLE tab1 TO USER appgrp, GROUP tom

Answer: C

Question No : 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

Answer: D

Question No : 55

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

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

Answer: D

Question No : 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

Answer: D

Question No : 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. GRANTLOAD 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

Answer: C,E

Question No : 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

Answer: C

Question No : 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

Answer: C

Question No : 60

QUESTION NO: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

Answer: C,D

Question No : 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

Answer: B

Question No : 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

Answer: D

Question No : 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

Answer: B

Question No : 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.

Answer: C

Question No : 65

User USER1 is the owner of TABLE1. Assuming user USER1 only holds privileges for TABLE1, which of the following is the best way to remove all privileges user USER1 holds?

- 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

Answer: C

Question No : 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 ROUTINE gen_resume TO user2 EXCLUDE user1, PUBLIC
- B. GRANT EXECUTE ON PROCEDURE gen_resume TO user2;
REVOKE EXECUTE ON PROCEDURE gen_resume FROM user1, PUBLIC;
- C. GRANT CALL ON ROUTINE gen_resume TO user2 EXCLUDE user1 PUBLIC
- D. GRANT CALL ON PROCEDURE gen_resume TO user2;
REVOKE CALL ON PROCEDURE gen_resume FROM user1, PUBLIC;

Answer: B

Question No : 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

Answer: D

Question No : 68

What does the following statement do?

```
GRANT ALTER ON SEQUENCE gen_empid TO user1 WITH GRANT OPTION
```

- 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.

Answer: C

Question No : 69

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

- A. CALL

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

Answer: C

Question No : 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

Answer: D

Question No : 71

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

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

Answer: D

Question No : 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

Answer: B

Question No : 73

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

```
CREATEVIEW view1 AS
```

```
SELECT * FROM table1
```

```
WHERE STATE = 'TX'
```

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

Answer: C

Question No : 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

Answer: B

Question No : 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

Answer: D

Question No : 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 NODE zos_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 NODE zos_svr REMOTE myhost SERVER 192.168.10.20;
CATALOG DCS DATABASE zos_db AS test_db AT NODE zos_svr;
- C.** CATALOG TCPIP NODE zos_svr REMOTE myhost SERVER 446;
CATALOG DCS DATABASE zos_db AS test_db AT NODE zos_svr;
- D.** CATALOG TCPIP NODE zos_svr REMOTE myhost SERVER 446;
CATALOG DATABASE zos_db AS test_db AT NODE zos_svr;
CATALOG DCS DATABASE zos_db AS test_db;

Answer: C

Question No : 77

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

- A. CATALOG DATABASE mynewdb AT NODE mynode
- B. CATALOG DATABASE mynewdb AS mydb AT NODE mynode
- C. CATALOGDATABASE mydb AT NODE mynode
- D. CATALOG DATABASE mydb AS mynewdb AT NODE mynode

Answer: D

Question No : 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

Answer: A

Question No : 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

Answer: B

Question No : 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

Answer: B

Question No : 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

Answer: A

Question No : 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

Answer: C,E

Question No : 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

Answer: A

Question No : 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

Answer: D

Question No : 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

Answer: C

Question No : 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

Answer: A

Question No : 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

Answer: D

Question No : 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')

Answer: C

Question No : 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

Answer: D

Question No : 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

Answer: B

Question No : 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

Answer: B

Question No : 92

Given the following information:

Protocol: TCP/IP

Port Number: 5000

Host Name: DB_SERVER

Database Name: TEST_DB

Database Server Platform: Linux

Which of the following will allow a client to access the database stored on the server?

-
- A.** CATALOG DATABASE test_db AS test_db REMOTE TCPIP SERVER db_server PORT 5000 OSTYPE LINUX;
- B.** CATALOG TCPIP NODE 5000 REMOTE SERVERdb_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;

Answer: C

Question No : 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

Answer: A

Question No : 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

Answer: B

Question No : 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.

Answer: D

Question No : 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

Answer: A

Question No : 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

Answer: B

Question No : 98

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

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

Answer: D

Question No : 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

Answer: A

Question No : 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)

Answer: C

Question No : 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

Answer: B

Question No : 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

Answer: C

Question No : 103

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

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

Answer: C

Question No : 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

Answer: C

Question No : 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.

Answer: A

Question No : 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

Answer: A

Question No : 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
```

```
WHERE salary(50000) = empsalary;
```

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 -----

Answer: C

Question No : 108

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

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

Answer: C

Question No : 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 INDEX idx_partno ON parts(part_no)

-
- B. CREATE UNIQUE INDEX idx_partno ON parts(part_name ASC)
 - C. CREATE UNIQUE INDEX idx_partno ON parts(part_name, part_no ASC)
 - D. CREATE UNIQUE INDEX idx_partno ON parts(part_no, part_name ASC)

Answer: A

Question No : 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.

Answer: B

Question No : 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

Answer: B

Question No : 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

Answer: D

Question No : 113

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

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

Answer: D

Question No : 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

Answer: C

Question No : 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

Answer: B

Question No : 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

Answer: D

Question No : 117

A stored procedure object is created into which DB2 object?

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

Answer: B

Question No : 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

Answer: D

Question No : 119

A number of applications issued 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

Answer: B

Question No : 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 ROWMODE 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

Answer: D

Question No : 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. SELECT TABLE(EMPLIST()) FROM EMPLOYEE
- B. SELECT TABLE(EMPLIST()) AS t FROM EMPLOYEE
- C. SELECT EMPLIST(id, firstname, lastname) FROM EMPLOYEE
- D. SELECT id, firstname, lastname FROM TABLE(EMPLIST()) AS t

Answer: D

Question No : 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

Answer: C

Question No : 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 FROMT03

Answer: D

Question No : 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

Answer: B

Question No : 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.

Answer: B

Question No : 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 MGR1
- 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

Answer: D

Question No : 127

Given the following query:

```
SELECT quantity,  
CASEWHEN 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

Answer: B

Question No : 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.

Answer: C

Question No : 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

Answer: B

Question No : 130

Given the following tables:

CONTINENTS

ID NAME COUNTRIES

1 Antarctica 0

2 Africa 53

3 Asia 47

4 Australia 14

5 Europe 43

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

Answer: D

Question No : 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. CALL getratews11('USA','CANADA')
- B. CALlexpenses.getratews11('USA','CANADA')
- C. SELECT getratews11('USA','CANADA') FROM expenses
- D. SELECT * FROM TABLE(getratews11('USA','CANADA')) AS convert_currency

Answer: C

Question No : 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

Answer: B

Question No : 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)

Answer: A

Question No : 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 the XQuery expression is not a valid FLWOR expression

Answer: B

Question No : 135

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

I1

1

2

3

4

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

Answer: A

Question No : 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

Answer: D

Question No : 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 WHERE midinit = ''
- B. SELECT * FROM employee WHERE midinit =NULL
- C. SELECT * FROM employee WHERE midinit = " "
- D. SELECT * FROM employee WHERE midinit IS NULL

Answer: D

Question No : 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

Answer: D

Question No : 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

--- ---

- 456

1 record(s) selected.

D. C1 C2

--- ---

0 456

1 record(s) selected.

Answer: C

Question No : 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

Answer: B

Question No : 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

Answer: D

Question No : 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

Answer: B

Question No : 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. D. D.

3, SILVER

4, SILVER

1, GOLD

1, GOLD

5, SILVER

3, ERROR

1, PLATINUM

Answer: B

Question No : 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

Answer: D

Question No : 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 ROWSONLY
C. SELECT * FROM tab1 WHILE ROW_NUM < 50
D. SELECT * FROM tab1 MAXROWS 50

Answer: B

Question No : 146

Given the following two tables:

EMPLOYEE

ID NAME DEPTID

-- -----

01 Mick Jagger 10

02 Keith Richards 20

03 RonnieWood 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'

Answer: D,E

Question No : 147

Given the following queries:

SELECT c1 FROM tab1;

SELECT c1 FROM tab2;

Which of the following set operators can be used to produce a result data set that contains only records that are not found in the result data set produced by each query after duplicate rows have been eliminated?

- A. UNION
- B. INTERSECT
- C. EXCEPT
- D. MERGE

Answer: D

Question No : 148

Given the following two tables:

NAMES

NAME NUMBER

Wayne Gretzky 99

Jaromir Jagr 68

Bobby Orr 4

Bobby Hull 23

Brett Hull 16

Mario Lemieux 66

MarkMessier 11

POINTS

NAME POINTS

Wayne Gretzky 244

Jaromir Jagr 168

Bobby Orr 129

Brett Hull 121

Mario Lemieux 189

Joe Sakic 94

Which of the following statements will display the player name, number, and points for all players that have scored points?

- A.** SELECT p.name, n.number, p.points FROM names n INNER JOIN points p ON n.name = p.name
- B.** SELECT p.name, n.number, p.points FROM names n LEFT OUTER JOIN points p ON n.name = p.name
- C.** SELECT p.name, n.number, p.points FROM names n RIGHT OUTER JOIN points p ON n.name = p.name
- D.** SELECT p.name, n.number, p.points FROM names n FULL OUTER JOIN points p ON n.name = p.name

Answer: C

Question No : 149

N NO:149

Which of the following is a valid wildcard character in a LIKE clause of a SELECT statement?

- A. %
- B. *
- C. ?
- D. \

Answer: A

Question No : 150

Given the following tables:

YEAR_2006

EMPID NAME

- 1 Jagger, Mick
- 2 Richards, Keith
- 3 Wood, Ronnie
- 4 Watts, Charlie
- 5 Jones, Darryl
- 6 Leavell, Chuck

YEAR_1962

EMPID NAME

1 Jagger, Mick

2 Richards, Keith

3 Jones, Brian

4 Wyman, Bill

5 Watts, Charlie

6 Stewart, Ian

If the following SQL statement is executed, how many rows will be returned?

```
SELECT name FROM year_2007
```

```
UNION ALL
```

```
SELECT name FROM year_1962
```

- A. 6
- B. 9
- C. 10
- D. 12

Answer: D

Question No : 151

Given the following table definition:

SALES

```
INVOICE_NO CHAR(20) NOT NULL
```

```
SALES_DATE DATE
```

```
SALES_PERSON VARCHAR(25)
```

REGION CHAR(20)

SALES_AMT DECIMAL(9,2)

Which of the following queries will return SALES information, sorted by SALES_PERSON, from A to Z, and SALES_DATE, from most recent to earliest?

- A.** SELECT invoice_no, sales_person, sales_date, sales_amt FROM sales SORT BY sales_person, sales_date DESC
- B.** SELECT invoice_no, sales_person, sales_date,sales_amt FROM sales SORT BY sales_person DESC, sales_date
- C.** SELECT invoice_no, sales_person, sales_date, sales_amt FROM sales ORDER BY sales_person, sales_date DESC
- D.** SELECT invoice_no, sales_person, sales_date, sales_amt FROM sales ORDER BY sales_person DESC, sales_date

Answer: D

Question No : 152

Given the following statement:

```
SELECT hyear, AVG(salary)
FROM (SELECT YEAR(hiredate) AS hyear, salary
FROM employee WHERE salary > 30000)
GROUP BY hyear
```

Which of the following describes the result if this statement is executed?

- A.** The statement will return the year and average salary for all employees that have a salary greater than \$30,000, sorted by year.
- B.** The statement will return the year and average salary for all employees hired within a given year that have a salary greater than \$30,000.
- C.** The statement will return the year and average salary for all years that every employee hired had a salary greater than \$30,000.
- D.** The statement will return the year and average salary for all years that any employee had a salary greater than \$30,000.

Answer: B

Question No : 153

Which two of the following statements are true about the HAVING clause?

- A. The HAVING clause is used in place of the WHERE clause.
- B. The HAVING clause uses the same syntax as the WHERE clause.
- C. The HAVING clause can only be used with the GROUP BY clause.
- D. The HAVING clause accepts wildcards.
- E. The HAVING clause uses the same syntax as the IN clause.

Answer: B,C

Question No : 154

Given the following table definitions:

DEPARTMENT

DEPTNO CHAR(3)

DEPTNAME CHAR(30)

MGRNO INTEGER

ADMRDEPT CHAR(3)

EMPLOYEE

EMPNO INTEGER

FIRSTNAME CHAR(30)

MIDINIT CHAR

LASTNAME CHAR(30)

WORKDEPT CHAR(3)

Which of the following statements will list every employee number and last name, along with the employee number and last name of their manager, including employees that have not been assigned to a manager?

- A. SELECT e.empno, e.lastname, m.empno,m.lastname FROM employee e LEFT INNER JOIN department INNER JOIN employee m ON mgrno=m.empno ON e.workdept=deptno
- B. SELECT e.empno, e.lastname, m.empno, m.lastname FROM employee e LEFT OUTER JOIN department INNER JOIN employee m ON mgrno=m.empno ON e.workdept=deptno
- C. SELECT e.empno, e.lastname, m.empno, m.lastname FROM employee e RIGHT OUTER JOIN department INNER JOIN employee m ON mgrno=m.empno ON e.workdept=deptno
- D. SELECT e.empno, e.lastname, m.empno, m.lastname FROM employee e RIGHT INNER JOIN department INNER JOIN employee m ON mgrno=m.empno ON e.workdept=deptno

Answer: B

Question No : 155

Given the following table:

EMPLOYEE

EMPID NAME INSTRUMENT

--- -----

- 1 Jagger, Mick 01
- 2 Richards, Keith 02
- 3 Wood, Ronnie 02
- 4 Watts, Charlie 03
- 5 Jones, Darryl 04
- 6 Leavell, Chuck 05

If the following query is executed:

```
SELECT name,  
CASE WHEN instrument = '01' THEN 'HARMONICA'  
WHEN instrument = '02' THEN 'GUITAR'  
WHEN instrument = '03' THEN 'DRUMS'  
ELSE 'UNKNOWN'  
END AS instrument  
FROM employee
```

What will be the results?

A. NAME INSTRUMENT

Jagger, Mick HARMONICA
Richards, Keith GUITAR
Wood, Ronnie GUITAR
Watts, Charlie DRUMS
Jones, Darryl ERROR
Leavell, Chuck ERROR

B. NAME INSTRUMENT

Jagger, Mick HARMONICA
Richards, Keith GUITAR
Wood, Ronnie GUITAR
Watts, Charlie DRUMS
Jones, Darryl 04
Leavell, Chuck 05

C. NAME INSTRUMENT

Jagger, Mick HARMONICA
Richards, Keith GUITAR
Wood, Ronnie GUITAR
Watts, Charlie DRUMS
Jones, Darryl UNKNOWN
Leavell, Chuck UNKNOWN

D. NAME INSTRUMENT

Jagger, Mick HARMONICA
Richards, Keith GUITAR
Wood, Ronnie GUITAR

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