

Pre-Assessment/Sample Test for Test /Exam 700 - DB2 UDB V8.1 Family Fundamentals

Duration 75 minutes

Total questions 54

Questions required for a pass 34 (61%)

第一套

1. Cataloging a remote database server from a Linux, UNIX, or Windows gateway is:

A. Performed to identify the location of the clients.

B. Performed to identify the server the DB2 database manager is on.

C. Never performed in DB2, as only one database per node is allowed, so cataloging a node automatically catalogs the database at that node.

D. Performed on a Linux, UNIX, or Windows machine to open the catalogs in the DB2 database server and present a user with a list of all accessible tables in that database.

2. Which of the following will give USER6 the ability to give SELECT privilege on table T.T1 to other users?

A. GRANT SELECT ON TABLE t.t1 TO user6

B. GRANT ALL PRIVILEGES ON TABLE t.t1 TO user6

C. GRANT USE ON TABLE t.t1 TO user6 WITH GRANT OPTION

D. GRANT ALL PRIVILEGES ON TABLE t.t1 TO user6 WITH GRANT OPTION

3. USER3 is running a program A.APP1 that calls stored procedure P.PROC1.As an administrator, which of the following statements should be executed to give USER3 the appropriate privilege to be able to execute the code found in stored procedure P.PROC1?

A. GRANT EXECUTE ON PACKAGE a.app1 TO user3

B. GRANT EXECUTE ON PROCEDURE a.app1 TO user3

C. GRANT EXECUTE ON FUNCTION p.proc1 TO user3

D. GRANT EXECUTE ON PROCEDURE p.proc1 TO user3

4. Given a SELECT statement that has a GROUP BY clause. The HAVING clause uses the same syntax as which other clause?

A. WHERE

B. UNION

C. SUBQUERY

D. ORDER BY

5. When constraint checking is suspended or disabled, a table or table space (depending on platform) is placed in which of the following states?

A. Paused

B. Check pending

C. Intent locked

D. Constraint waiting

6. The table STOCK has the following column definitions:

type CHAR(1)

status CHAR(1)

quantity INTEGER

price DEC (7,2)

items are indicated to be out of stock by setting STATUS to NULL and QUANTITY and PRICE to zero.

Which of the following statements updates the STOCK table to indicate that all the items except for those with TYPE of "S" are temporarily out of stock?

A. UPDATE stock SET status='NULL', quantity=0, price=0 WHERE type <> 'S'

B. UPDATE stock SET (status, quantity, price) = (NULL, 0, 0) WHERE type <> 'S'

C. UPDATE stock SET (status, quantity, price) = ('NULL', 0, 0) WHERE type <> 'S'

D. UPDATE stock SET status = NULL, SET quantity=0, SET price = 0 WHERE type <> 'S'

7. Given the following statements:

CREATE TABLE t4

(c1 INTEGER NOT NULL,

c2 INTEGER,

c3 DECIMAL(7,2) NOT NULL,

c4 CHAR(20) NOT NULL);

CREATE UNIQUE INDEX i4 ON t4(c1,c3);

ALTER TABLE t4 ADD PRIMARY KEY (c1,c3);

Which of the following statements is TRUE?

A. The ALTER TABLE statement will fail.

B. The primary key will use the I4 unique index.

C. A primary index will need to be created on the composite key (C1,C3).

D. An additional unique index will automatically be created on the composite key (C1,C3).

8. Which of the following statements will create an index and prevent table T1 from containing two or more rows with the same values for column C1?

- A. **CREATE UNIQUE INDEX ix1 ON t1 (c1)**
- B. CREATE DISTINCT INDEX ix1 ON t1 (c1)
- C. CREATE UNIQUE INDEX ix1 ON t1 (c1,c2)
- D. CREATE DISTINCT INDEX ix1 ON t1 (c1,c2)

9. Which of the following DDL statements creates a table where employee IDs are unique?

- A. CREATE TABLE t1 (employid INTEGER)
- B. CREATE TABLE t1 (employid INTEGER GENERATED BY DEFAULT AS IDENTITY)
- C. CREATE TABLE t1 (employid INTEGER NOT NULL)
- D. **CREATE TABLE t1 (employid INTEGER NOT NULL PRIMARY KEY)**

10. Which of the following statements eliminates all but one of each set of repeated rows in the final result table?

- A. SELECT UNIQUE * FROM t1
- B. **SELECT DISTINCT * FROM t1**
- C. SELECT * FROM DISTINCT T1
- D. SELECT UNIQUE (*) FROM t1
- E. SELECT DISTINCT (*) FROM t1

11. When using DB2 Connect, which of the following commands specifies the protocol information on how to connect to the host or to the server?

- A. CATALOG DCS
- B. **CATALOG NODE**
- C. CATALOG DATABASE
- D. CATALOG ODBC DATA SOURCE

12. Given the table COUNTRY and the statements below:

COUNTRY

ID	NAME	PERSON_ID	CITIES
1	Argentina	1	10
2	Canada	2	20
3	Cuba	2	10
4	Germany	1	0

5 France 7 5

DECLARE c1 CURSOR WITH HOLD FOR SELECT * FROM country ORDER BY person_id, name

OPEN c1

FETCH c1

FETCH c1

COMMIT

FETCH c1

Which of the following is the last name obtained from the table?

A. Cuba

B. France

C. Canada

D. Germany

E. Argentina

13. A stored procedure has been built and deployed on the DB2 UDB server machine. What is the minimum software that must be installed to allow an application on the client to execute the stored procedure?

A. DB2 Runtime Client

B. DB2 Personal Edition

C. DB2 Administration Client

D. DB2 Application Development Client

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

A. Journal

B. Task Center

C. License Center

D. Configuration Assistant

15. Given the table COUNTRY and the statements below:

COUNTRY

ID	NAME	PERSON_ID	CITIES
1	Argentina	1	10
2	Canada	2	20
3	Cuba	2	10
4	Germany	1	0
5	France	7	5

STAFF

ID LASTNAME

1 Jones

2 Smith

COUNTRY(PERSON_ID) is the foreign key for STAFF(ID).

Which of the following statements removes from the COUNTRY table those rows that do not have a STAFF person assigned?

A. DELETE FROM country WHERE id IN (SELECT id FROM staff)

B. DELETE FROM country WHERE id NOT IN (SELECT person_id FROM staff)

C. DELETE FROM country WHERE person_id NOT IN (SELECT id FROM staff)

D. DELETE FROM country WHERE person_id IN (SELECT person_id FROM staff)

注意：16题C/D

16. What is the difference between a unique index and a primary key? ***

A. They are different terms for the same concept.

B. Unique indexes can be defined over multiple columns. Primary keys must have only one column.

C. Unique indexes can be defined in ascending or descending order. Primary keys must be ascending.

D. Unique indexes can be defined over a column or columns that allow nulls. Primary keys cannot contain nulls.

17. A table has had check constraint enforcement turned off, and additional data has been inserted. Which of the following will perform data validation to ensure that column values are valid?

A. Add a trigger

B. Collect statistics

C. Reorganize the table

D. Enable check constraints

18. 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 produce a result set satisfying these criteria? ***

* The empno and lastname of every employee

* For each employee, include the empno and lastname of their manager

* Includes employees both with and without a manager

A. SELECT e.empno, e.lastname FROM employee e LEFT OUTER 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 INNER 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 LEFT 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 OUTER JOIN (department INNER JOIN employee m ON mgrno = m.empno) ON e.workdept = deptno

19. Given the following statements:

```
CREATE TABLE t1 (id INTEGER CONSTRAINT chkid CHECK (id<100))
```

```
INSERT INTO t1 VALUES (100)
```

```
COMMIT
```

Which of the following occurs as a result of issuing the statements?

A. The row is inserted with ID having a NULL value.

B. The row is inserted with ID having a value of 100.

C. The row insertion with a value of 100 for ID is rejected.

D. The trigger called chkid is activated to validate the data.

20. SQL source statements for which two of the following are stored in the system catalog? ***

A. Views

B. Tables

C. Indexes

D. Triggers

E. Constraints

21. A client application on OS/390 or OS/400 must access a DB2 server on Linux. At a minimum, which of the following products is required to be on the DB2 server? ***

A. DB2 Connect Enterprise Edition

B. DB2 UDB Enterprise Server Edition

C. DB2 Connect Enterprise Edition and DB2 UDB Workgroup Server Edition

D. DB2 Connect Enterprise Edition and DB2 UDB Enterprise Server Edition

22. Given that table T1 needs to hold specific numeric values up to 99999.99 in column C1.

A. REAL

B. INTEGER

C. NUMERIC(7,2)

D. DECIMAL(5,2)

23. Given a read-only application that requires consistent data for every query, which of the following isolation levels should it use to provide the most concurrency with other applications doing updates? ***

A. Read Stability

B. Repeatable Read

C. Cursor Stability

D. Uncommitted Read

24. Given the following statement:

CREATE TABLE t1 (c1 CHAR (4) NOT NULL)

Which of the following can be inserted into this table?

A. 4

B. NULL

C. 'abc'

D. 'abcde'

25. Given the tables:

COUNTRY

ID	NAME	PERSON	CITIES
1	Argentina	1	10
2	Canada	2	20
3	Cuba	2	10
4	Germany	1	0
5	France	7	5

STAFF

ID LASTNAME

1 Jones

2 Smith

How many rows would be returned using the following statement?

SELECT * FROM staff, country

A. 0

B. 2

C. 5

D. 7

E. 10

26. An application using the Repeatable Read isolation level acquires an update lock. When does the update lock get released?

A. When the cursor accessing the row is closed

B. When the transaction issues a ROLLBACK statement

C. When the cursor accessing the row is moved to the next row

D. When the transaction changes are made via an UPDATE statement

注意: The difference between RR and RS is that, if a query against a million row table has to read 10,000 rows to return 10, an isolation level of RR will lock all 10,000 rows and hold the locks until commit time. If isolation level RS is used, only the 10 qualifying rows would be locked until commit time.

27. An application is using the Cursor Stability isolation level. Which of the following releases a row lock acquired by this application?

A. When the cursor accessing the row is moved to the next row

B. When the cursor accessing the row is used to update the row

C. When the application's current row is deleted by the application

D. When the application's current row needs to be updated by another application

28. Which of the following has an object tree from which you can perform administrative tasks against database objects?

A. Control Center

B. Command Center

C. Command Line Processor

D. DB2 Administration Client

29. A developer is building an embedded SQL application on **AIX** that will access DB2 UDB for OS/390 or

OS/400 servers. Which of the following products is required to be installed on the AIX system in order to build the application? ***

- A. DB2 Connect Personal Edition
- B. DB2 Personal Developer's Edition
- C. DB2 UDB Workgroup Server Edition
- D. DB2 Universal Developer's Edition**

30. Which of the following database configuration parameters affects when lock escalation will occur?

- A. NUMLOCKS
- B. MAXLOCKS**
- C. LOCKLIMIT
- D. LOCKTHRESH

31. Given the table:

STAFFTABLE

IDEN LASTNME

1 Smitye

2 Dinekd

When issuing the query "SELECT * FROM STAFFTABLE", the row return order will be based on which of the following?

- A. no guaranteed order
- B. the primary key order
- C. the order that the rows were inserted into the table**
- D. the order based on the index used in the last table REORG

32. When issuing "CREATE TABLE temptable (column1 CHAR (1) NOT NULL, PRIMARY KEY COLUMN1)"

Which two of the following catalog views results is changed?

- A. SYSCAT.INDEXES**
- B. SYSCAT.PRIMKEYS
- C. SYSCAT.TABLES**
- D. SYSCAT.TRIGGERS
- E. SYSCAT.NOTNULL

33. Two databases, DATA1 and DATA2, will reside in different instances on the same DB2 UDB server.

Which of the following actions provides a user with SYSADM authority on DATA1, but no SYSADM authority on DATA2?

- A. GRANT SYSADM to the user on DATA1.
- B. REVOKE SYSADM from the user on DATA2.
- C. Specify different SYSADM groups for the instances.**
- D. Specify different SYSADM groups for the databases.

34. Which two of the following must be done to allow DB2 databases to be automatically detected by DB2 clients.

- A. Run the Configuration Assistant at the database server.
- B. Set AUTHENTICATION=CLIENT in the database manager configuration.
- C. Ensure the database configuration parameter DISCOVER_DB is set to ENABLE.**
- D. Ensure the database manager configuration parameter DISCOVER is set to ENABLE.
- E. Ensure the database manager configuration parameter DISCOVER_INST is set to ENABLE.**

35. Given the commands:

```
CREATE DATABASE inventory CATALOG TABLESPACE MANAGED BY SYSTEM USING  
( 'path1','path2' ) EXTENTSIZE 16 PREFETCHSIZE 32 USER TABLESPACE MANAGED BY SYSTEM  
USING ( 'patha' ) TEMPORARY TABLESPACE MANAGED BY DATABASE USING ( FILE 'filea' 1000 )  
WITH "EXTENTSIZE 10"
```

Which of the following indicates the extent size for the system catalog table space?

- A. 10
- B. 16**
- C. 32
- D. 1000

36. When event monitor output is channeled to a named pipe, which of the following is the correct order for processing of the named pipe?

- A. Create pipe, Open pipe, Read pipe, Activate monitor, Deactivate monitor, Close pipe, Delete pipe
- B. Create pipe, Open pipe, Activate monitor, Read pipe, Deactivate monitor, Close pipe, Delete pipe**
- C. Create pipe, Open pipe, Activate monitor, Deactivate monitor, Read pipe, Close pipe, Delete pipe
- D. Create pipe, Activate monitor, Open pipe, Read pipe, Close pipe, Deactivate monitor, Delete pipe

37. Online index reorganization is the ability to reclaim(回收) index free space after deletion of an index key. Which of the following options gives an index this capability?

- A. CREATE INDEX ONLINE
- B. CREATE INDEX RECLAIM
- C. CREATE INDEX MINPCTUSED**
- D. CREATE INDEX REORGSPACE

第二套

1. 通过控制中心能访问本地又能访问远程数据库资源，需要选择的最小软件是？

- A. DB2 实时客户端
- B. DB2 管理客户端
- C. DB2企业服务器版**
- D. DB2 连接企业

2. 用游标稳定性隔离级的一个单元工作，下面哪一个发生？

该单元工作已经访问过的行可以由其他应用改变。

要编目远程db2数据库服务器，需要远程服务器的Hostname、ip地址、网络访问协议、TCP端口号（即SERVICES）。

3. 语句“GRANT REFERENCES(col1) ON TABLE tab1 TO USER usera”表示给用户usera对表tab1有定义外关键字的权限。

4. An administrator issues 语句“GRANT ALL PRIVILEGES ON TABLE appl tab1 TO user1 WITH GRANT OPTION”表示用户user1对表tab1有再赋权限：select、insert、update、delete给其他用户。

```
5. CREATE TABLE t1(col1 INT NOT NULL);  
ALTER TABLE t1 ADD CONSTRAINT t1_ck CHECK (col1 IN (1,2,3));  
INSERT INTO t1 VALUES(3);  
CREATE TABLE t2 LIKE t1;  
DROP TABLE t1;
```

结果是t2表是一个与表t1有着相同列定义继承，但没有主键、外键、约束定义继承的空表。

6. 如果一个表的列：

Col1 Numeric Identifier – From 1 to 1000000

Col2 Job Code – Variable, 1 to 2 characters long

Col3 Job Description - Variable, 1 to 100 characters long

Col4 Job Length – Length of Job in seconds

用最小磁盘空间存储该表，应该创建该表的方式为：

```
CREATE TABLE tab1(col1 INT, col2 VARCHAR(2), col3 VARCHAR(100), col4 INT)
```

7. An application is bound with Uncommitted Read isolation level. It issues a request that retrieves 20 rows

out of 200000 in the table. Which of the following describes the rows that are locked as a result of this request?

没有行锁。

8. CREATE TABLE t1

```
( id  INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY,
  c1  CHAR(10) NOT NULL,
  c2  CHAR(10)
)
```

下面语句成功的是？

- A. INSERT INTO t1 VALUES('abc',NULL)
- B. INSERT INTO t1 VALUES(1,'abc',NULL)
- C. INSERT INTO t1(c1,c2) VALUES('abc',NULL)**
- D. INSERT INTO t1(c1,c2) VALUES(NULL,'def')

9. 一个用户定义具有一个整数的函数FFOO，USER4执行：

SELECT col1,col2 FROM t tab1 WHERE ffoo(col1)<6需要的权限？

- A. GRANT USE ON FUNCTION ffoo(INT) TO user4
- B. GRANT SELECT ON FUNCTION ffoo(INT) TO user4
- C. GRANT EXECUTE ON FUNCTION ffoo(INT) TO user4**
- D. GRANT REFERENCE ON FUNCTION ffoo(INT) TO user4

10. Given the table definitions

DEFIN1:

```
id          SALLINT NOT NULL
name        VARCHAR(30)
hired       DATE
```

DEFIN2:

```
deptid      SALLINT NOT NULL
name        VARCHAR(30)
started     DATE
```

假如两个表都不是空表，下面能够成功插入的是？

- A. INSERT INTO defin1 (id) VALUES(1)**
- B. INSERT INTO defin1 (name) VALUES('florence')
- C. INSERT INTO defin1 (id, hired) AS SELECT DISTINCT 1, CURRENT DATE FROM defin2

D. INSERT INTO defin1 (name, hired) SELECT DISTINCT 'Florence', CURRENCE DATE FROM defin2

11. 创建和构造stored procedures的工具是?

- A. SQL Assist
- B. Task Center
- C. Development Center**
- D. Replication Center

12. 表定义

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)

下面哪一个结果集should only include employees with a department, which of the following statement will list each employee's number, last name and department name?

**A. SELECT e.empno,e.lstname,d.deptname FROM employee e, department d
WHERE e.workdept=d.deptno**

B. SELECT e.empno,e.lstname,d.deptname FROM employee e LEFT OUTER JOIN department d ON
e.workdept=d.deptno

C. SELECT e.empno,e.lstname,d.deptname FROM employee e RIGHT OUTER JOIN department d ON
e.workdept=d.deptno

D. SELECT e.empno,e.lstname,d.deptname FROM employee e OUTER JOIN department d ON
e.workdept=d.deptno

13. 表定义

Table1

Col1	INT
Col2	CHAR(30)

Table2

col1 INT

col2 CHAR(30)

下面哪个语句将TABLE2 的所有行插入到TABLE1?

A. INSERT INTO table1(table2.col1,table2.col2)

B. INSERT INTO table1 SELECT col1,col2 FROM table2

C. INSERT INTO table1 VALUES(SELECT col1,col2 FROM table2)

D. INSERT INTO table1(col1,col2) VALUES(SELECT col1, col2 FROM table2)

14. 给表定义

POINTS

Name	Point
Wayne Gretzky	244
Jaromit Jagr	68
Bobby Orr	129
Bobby Hull	93
Brett Hull	121
Mario Lesieux	189

PIM

Name	PIM
Mates Sundin	14
Jaromit Jagt	18
Bobby Orr	12
Mark Messier	32
Brett Hull	66
Mario Lemieux	23
Joe Sakie	94

下面哪个语句将显示either table 中的name, points and PIM for players?

A. SELECT point.name,point.points,pim.name,pim.pim FROM points INNER JOIN pim ON points.name=pim.name

B. SELECT point.name,point.points,pim.name,pim.pim FROM points FULL OUTER JOIN pim ON points.name=pim.name

C. SELECT point.name,point.points,pim.name,pim.pim FROM points LEFT OUTER JOIN pim ON points.name=pim.name

D. SELECT point.name,point.points,pim.name,pim.pim FROM points RIGHT OUTER JOIN pim ON
points.name=pim.name

第三套

1. To set up a client that can access DB2 UDB through DB2 Connect Enterprise Edition, which of the following is the minimum software client that must be installed?

- A. DB2 Runtime Client**
- B. DB2 Personal Edition
- C. DB2 Administration Client
- D. DB2 Application Development Client

2. A client application on OS/390 or OS/400 must access a DB2 server on AIX. At a minimum, which of the following products is required to provide DRDA Application Server functionality on the DB2 server?

- A. DB2 Connect Enterprise Edition
- B. DB2 UDB Workgroup Server Edition**
- C. DB2 Connect Enterprise Edition and DB2 UDB Workgroup Server Edition
- D. DB2 Connect Enterprise Edition and DB2 UDB Enterprise Server Edition

3. A developer is building a Windows embedded SQL application that will access DB2 UDB for OS/390 or OS/400 servers. Which of the following products is required to be installed on the Windows system in order to build the application?

- A. DB2 UDB Personal Edition
- B. DB2 Connect Personal Edition
- C. DB2 Personal Developer's Edition**
- D. DB2 UDB Workgroup Server Edition

4. Which of the following tools maintains a history of all executed statements/commands for the current session within the tool?

- A. Journal
- B. SQL Assist
- C. Health Center
- D. Command Center**

5. Which of the following products is designed for analyzing data with more than two dimensions?

- A. DB2 OLAP Server**
- B. DB2 Warehouse Manager
- C. DB2 Relational Connect
- D. DB2 Data Links Manager

6. Which of the following tools is used to create and build stored procedures?

- A. SQL Assist
- B. Task Center
- C. Development Center**
- D. Replication Center

7. Which of the following tools is used to create subscription sets and add subscription-set members to subscription sets?

- A. Journal
- B. License Center
- C. Replication Center**
- D. Development Center

8. Which two of the following types of storage management methods are supported by DB2 OLAP Server?

- A. Object
- B. Network
- C. Relational**
- D. Hierarchical
- E. Multi-dimensional**

9. Which of the following is used to build and manage a heterogeneous Data Warehouse environment?

- A. DataJoiner
- B. Control Center
- C. Workload Manager
- D. DB2 Warehouse Manager**

10. Which of the following products can be used to perform a dictionary-based search?

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

11. Which of the following extenders allows data to be presented in a three-dimensional format?

- A. DB2 AVI Extender
- B. DB2 XML Extender

C. DB2 Text Extender

D. DB2 Spatial Extender

12. When establishing client-server communication, which two of the following can be used to verify passwords?

A. Catalog Tables

B. Access Control List

C. Application Programs

D. DRDA Application Server

E. Client Operating System

13. When granted to USER1, which of the following will allow USER1 to ONLY access table data?

A. Administrative authority

B. SELECT privilege on the table

C. REFERENCES privilege on the table

D. SELECT privilege WITH GRANT OPTION on the table

14. Given the following users and groups with no privileges on table t1:

GroupA	GroupB
-----	-----
user1	user4
user2	user5
user3	

Which of the following commands gives all users in the above groups the ability to create a view on table t1?

A. GRANT SELECT ON TABLE t1 TO ALL

B. GRANT SELECT ON TABLE t1 TO PUBLIC

C. GRANT REFERENCES ON TABLE t1 TO ALL

D. GRANT SELECT ON TABLE t1 TO USER GroupA, GroupB

15. Given a user defined function, U.UDF1, that takes an input parameter of type INTEGER, and USER6 running the following SQL statement:

SELECT w.udf1 (col6) FROM t.tab1 WHERE col4 = 'ABC'

Which of the following statement(s) would allow USER6 to execute the statement?

A. GRANT ALL PRIVILEGES ON TABLE t.tab1 TO user6

B. GRANT SELECT ON TABLE t.tab1 TO user6

- GRANT USE ON FUNCTION u.udf1(INT) TO user6
- C. GRANT SELECT ON TABLE t.tab1 TO user6
- GRANT REFERENCES ON FUNCTION u.udf1(INT) TO user6
- D. GRANT ALL PRIVILEGES ON TABLE t.tab1 TO user6**
- GRANT EXECUTE ON FUNCTION u.udf1(INT) TO user6**
16. Which of the following will grant just DML operations on table T.T4 to all users?
- A. GRANT ALL PRIVILEGES ON t.t4 TO PUBLIC
- B. GRANT ALL PRIVILEGES ON t.t4 TO ALL USERS
- C. GRANT SELECT, INSERT, UPDATE, DELETE ON TABLE t.t4 to PUBLIC**
- D. GRANT SELECT, INSERT, UPDATE, DELETE ON TABLE t.t4 TO ALL USERS

17. Communications is being manually established from a Windows 2000 client through a DB2 Connect gateway to a DB2 host system. Which of the following does NOT have to be cataloged on the gateway?

- A. The client**
- B. The node where the data source resides
- C. The data source on the DB2 database server
- D. The Database Connection Service (DCS) database

18. USER1 indicates that when running the following command from their client:

DB2 CONNECT TO sample USER user1

They receive the following error message:

SQL1013N The database alias name or database name "SAMPLE" could not be found. SQLSTATE=42705

Assuming a valid password was entered when prompted, which of the following is the cause of the error?

- A. SAMPLE is not listening for incoming connections from clients.
- B. The DB2 client version is not compatible with the server version.
- C. The client's database directory does not contain an entry SAMPLE.**
- D. The client's node directory has an entry in it that points at a non-existent server.

19. A database administrator has supplied the following information:

- Protocol: TCP/IP
- Port Number: 446
- Host Name: ZEUS
- Database Name: SAMPLE
- Database Server Platform: OS/400

Which are the appropriate commands to set up the ability to connect to the database?

- A. CATALOG TCPIP NODE zeus REMOTE zeus SERVER 446 OSTYPE os400 DATABASE sample;
- B. CATALOG TCPIP DATABASE sample REMOTE zeus SERVER 446 OSTYPE os400;
CATALOG DATABASE dcssam AS sample AT NODE zeus AUTHENTICATION dcs;
- C. CATALOG TCPIP NODE zeus REMOTE zeus SERVER 446 OSTYPE os400;**
CATALOG DCS DB dcssam AS sample;
CATALOG DATABASE dcssam AS sample AT NODE zeus AUTHENTICATION dcs;
- D. CATALOG TCPIP NODE sample REMOTE sample SERVER 446 OSTYPE os400;
CATALOG DCS DB sample AS dcssam;
CATALOG DATABASE dcssam AS sample AT NODE zeus AUTHENTICATION dcs;

20.To catalog a TCP/IP database connection to a remote DB2 server which of the following pieces of information is needed?

- A. Hostname**
- B. Password
- C. Authorization-id
- D. Operating system version

21. Assuming the proper privileges, which two of the following would allow access to data in a table T1 using the name A1?

- A. CREATE ALIAS a1 FOR t1**
- B. CREATE TABLE a1 LIKE t1
- C. CREATE INDEX a1 ON t1 (col1)
- D. CREATE VIEW a1 AS SELECT * FROM t1**
- E. CREATE TRIGGER trig1 AFTER INSERT ON t1 FOR EACH ROW MODE DB2SQL INSERT INTO a1

22. Given the following statements:

```
CREATE TABLE t1
```

```
(
    c1 INTEGER,
    c2 INTEGER,
    c3 DECIMAL(15,0)
)
```

```
INSERT INTO t1 VALUES (1, 2, 3.0)
```

Which of the following will cause C1 to be decremented each time a row is deleted from the T2 table?

- A. ALTER TABLE t1
ADD CHECK(t2)
c1 = c1 - 1
- B. CREATE VIEW v1 (c1)
AS (SELECT COUNT(*) FROM t2)
- C. ALTER TABLE t1
ADD FOREIGN KEY (c1)
REFERENCES t2
ON DELETE CASCADE
- D. **CREATE TRIGGER trig1**
AFTER DELETE ON t2
FOR EACH ROW MODE DB2SQL
UPDATE t1 SET c1 = c1 - 1

23. Given these columns from the DEPARTMENT table:

deptno CHAR(3) NOT NULL
deptname CHAR(20) NOT NULL
mgrno CHAR(6)
admrdept CHAR(3)
location CHAR(20) NOT NULL

Which of the following will select the rows that do not have a value in the MGRNO column?

- A. SELECT * FROM department WHERE mgrno = ''
- B. SELECT * FROM department WHERE mgrno = NULL
- C. **SELECT * FROM department WHERE mgrno IS NULL**
- D. SELECT * FROM department WHERE mgrno IS UNKNOWN

24. Given table T1 with 100 rows, which of the following queries will retrieve 10 rows from table T1?

- A. SELECT * FROM t1 MAXIMUM 10 ROWS
- B. SELECT * FROM t1 TOP 10 ROWS ONLY
- C. SELECT * FROM t1 OPTIMIZE FOR 10 ROWS
- D. **SELECT * FROM t1 FETCH FIRST 10 ROWS ONLY**

25. Given the two following table definitions:

ORG

deptnumb	INTEGER
deptname	CHAR(30)
manager	INTEGER
division	CHAR(30)
location	CHAR(30)

STAFF

id	INTEGER
name	CHAR(30)
dept	INTEGER
job	CHAR(20)
years	INTEGER
salary	DECIMAL(10,2)
comm	DECIMAL(10,2)

Which of the following statements will display each department, by name, and the total salary of all employees in the department?

A. SELECT a.deptname, SUM(b.salary)

FROM org a, staff b

WHERE a.deptnumb=b.dept

ORDER BY a.deptname

B. SELECT a.deptname, SUM(b.salary)

FROM org a, staff b

WHERE a.deptnumb=b.dept

GROUP BY a.deptname

C. SELECT a.deptname, SUM(b.salary)

FROM org a INNER JOIN staff b

ON a.deptnumb=b.dept

ORDER BY a.deptname

D. SELECT b.deptname, SUM(a.salary)

FROM org a INNER JOIN staff b

ON a.deptnumb=b.dept

GROUP BY a.deptname

26. 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)

Given that the result set should only include employees with a department, which of the following statements will list each employee's number, last name, and department name?

A. **SELECT e.empno, e.lastname, d.deptname**

FROM employee e, department d

WHERE e.workdept = d.deptno

B. **SELECT e.empno, e.lastname, d.deptname**

FROM employee e LEFT OUTER JOIN department d

ON e.workdept = d.deptno

C. **SELECT e.empno, e.lastname, d.deptname**

FROM employee e FULL OUTER JOIN department d

ON e.workdept = d.deptno

D. **SELECT e.empno, e.lastname, d.deptname**

FROM employee e RIGHT OUTER JOIN department d

WHERE e.workdept = d.deptno

27. Given the table:

COUNTRY

NAME	CITIES	PERSON
Argentina	10	1
Canada	20	2
Cuba	10	2
Germany	0	1
France	5	7

And, given the statement:

SELECT cities, name FROM country

Which of the following clauses must be added to the statement for it to return rows sorted by NAME and then sorted by CITIES?

- A. **ORDER BY 2, 1**
- B. GROUP BY 2, 1
- C. ORDER BY 1, 2
- D. GROUP BY 1, 2

28. Given the following statements:

```
CREATE TABLE mytab
(
  col1 INT NOT NULL PRIMARY KEY,
  col2 CHAR(64),
  col3 CHAR(32),
  col4 INT NOT NULL,
  CONSTRAINT c4 UNIQUE (col4,col1)
)
```

How many indexes are needed to support the table definition?

- A. 0
- B. 1
- C. **2**
- D. 3
- E. 4

29. A stored procedure has been created with the following statement:

```
CREATE PROCEDURE P1(INOUT VAR1 VARCHAR(10))...
```

From the command line processor (CLP), which is the correct way to call this procedure?

- A. Call P1(?)
- B. Call P1(DB2)
- C. **Call P1('DB2')**
- D. Call P1("DB2")

30. A user wishes to store a numeric with a maximum value of 100,000. Which data type will allow the user to store these values while using the least amount of storage?

- A. BIGINT
- B. INTEGER**
- C. IDENTITY
- D. SMALLINT

31. What does the following statement do?

GRANT REFERENCES(col1) ON TABLE t.t1 TO user7

- A. Gives USER7 the ability to refer to column COL1 of table T.T1 in views or select statements
- B. Gives USER7 the ability to refer to column COL1 of table T.T1 on user-defined function calls
- C. Gives USER7 the ability to define referential integrity on table T.T1 using column COL1 as the parent key**
- D. Gives USER7 the ability to define referential integrity on table T.T1 using column COL1 as the foreign key

32. Given the following:

A table contains a list of all seats on an airplane. A seat consists of a seat number and whether or not it is assigned. An airline agent lists all the unassigned seats on the plane. No one should be able to assign a seat that is in the agent's current list. If the agent refreshes the list from the table, the list should only change if another agent unassigns a currently assigned seat.

Which of the following isolation levels should be used for this application?

- A. Read Stability**
- B. Repeatable Read
- C. Cursor Stability
- D. Uncommitted Read

33. An application is bound with Read Stability isolation level. It issues a request that retrieves 20 rows out of 200000 in the table. Which of the following describes the rows that are locked as a result of this request?

- A. None of the rows are locked.
- B. The retrieved rows are locked.**
- C. The last row of the result set is locked.
- D. The rows not previously updated by another application are locked.

34. A unit of work is using an isolation level of Read Stability. An entire table is scanned twice within the unit of work., Which of the following can be seen on the second scan of the table?

- A. Rows removed by other processes
- B. Rows added to a result set by other processes
- C. Rows changed in a result set by other processes**
- D. Rows with uncommitted changes made by other processes

35. A unit of work is using an isolation level of Cursor Stability, and allows scanning through the table more than once within the unit of work, Which of the following can occur during processing of this unit of work?

- A. It can access uncommitted changes made by other transactions.
- B. It can update uncommitted changes made by other transactions.
- C. The rows that it has updated can be changed by other transactions from one scan to the next.
- D. The rows that it has accessed can be changed by other transactions from one scan to the next.**

36. Given the following scenario:

An application uses a 15-digit whole number to uniquely identify customer transactions. This number is also used for arithmetic operations.

Which of the following is the most efficient DB2 data type for the column definition for this purpose?

- A. DOUBLE B. INTEGER C. NUMERIC(15,2) **D. DECIMAL(15,0)**

37. Given the following statements from two embedded SQL programs:

Program 1:

```
CREATE TABLE mytab (col1 INT, col2 CHAR(24))
```

```
COMMIT
```

Program 2:

```
INSERT INTO mytab VALUES ( 20989,'Joe Smith')
```

```
INSERT INTO mytab VALUES ( 21334,'Amy Johnson')
```

```
COMMIT
```

```
DELETE FROM mytab
```

```
ROLLBACK
```

```
INSERT INTO mytab VALUES ( 23430,'Jason French')
```

```
ROLLBACK
```

```
INSERT INTO mytab VALUES ( 20993,'Samantha Jones')
```

```
COMMIT
```

```
DELETE FROM mytab WHERE col1=20993
```

```
ROLLBACK
```

Assuming Program 1 ran to completion and then Program 2 ran to completion, how many records will be returned by executing the following statement?

```
SELECT * FROM mytab
```

- A. 0 B. 1 C. 2 **D. 3** E. 4

38. Which two of the following results from a successful ROLLBACK statement?

- A. The current unit of work is restarted.
- B. Existing database connections are released.
- C. Locks held by the current unit of work are released.**
- D. Tables in LOAD PENDING for the current unit of work are released.
- E. Changes made by the current unit of work since the last COMMIT point are undone**

39. Given the following statements:

```
CREATE TABLE t1 (col1 INT NOT NULL);
ALTER TABLE t1 ADD CONSTRAINT t1_ck CHECK (col1 in (1,2,3));
INSERT INTO t1 VALUES (3);
CREATE TABLE t2 LIKE t1;
DROP TABLE t1;
```

Which of the following is the result of these statements?

- A. Both tables are dropped.
- B. T2 is an empty table with the check constraint.
- C. T2 is an empty table without the check constraint.**
- D. T2 contains 1 row and is defined with the check constraint.
- E. T2 contains 1 row and is defined without the check constraint.

40. Given the following two tables:

TAB1		TAB2	
C1	C2	CX	CY
---	----	-----	----
A	11	A	21
B	12	C	22
C	13	D	23

The following results are desired:

C1	C2	CX	CY
----	----	----	----
A	11	A	21
C	13	C	22
-	-	D	23

Which of the following joins will yield the desired results?

- A. `SELECT * FROM tab1 INNER JOIN tab2 ON c1=cx`
- B. `SELECT * FROM tab2 FULL OUTER JOIN tab1 ON c1=cx`
- C. `SELECT * FROM tab2 RIGHT OUTER JOIN tab1 ON c1=cx`
- D. `SELECT * FROM tab1 RIGHT OUTER JOIN tab2 ON c1=cx`**

41. Given the two following tables:

Tablename: NAMES

Name	Number
Wayne Gretzky	99
Jaromir Jagr	68
Bobby Orr	4
Bobby Hull	23
Brett Hull	16
Mario Lemieux	66
Steve Yzerman	19
Claude Lemieux	19
Mark Messier	11
Mats Sundin	13

Tablename:POINTS

Name	Points
Wayne Gretzky	244
Jaromir Jagr	168
Bobby Orr	129
Bobby Hull	93
Brett Hull	121
Mario Lemieux	189
Joe Sakic	94

Which of the following statements will display the player's name, number and points for all players with an entry in both tables?

- A. `SELECT names.name, names.number, points.points`
`FROM names INNER JOIN points ON names.name=points.name`**
- B. `SELECT names.name, names.number, points.points`
`FROM names FULL OUTER JOIN points ON names.name=points.name`
- C. `SELECT names.name, names.number, points.points`

FROM names LEFT OUTER JOIN points ON names.name=points.name

D. SELECT names.name, names.number, points.points

FROM names RIGHT OUTER JOIN points ON names.name=points.name

42. Which of the following deletion rules on CREATE TABLE will prevent parent table rows from being deleted if a dependent row exists?

A. ON DELETE CASCADE

B. ON DELETE ROLLBACK

C. ON DELETE SET NULL

D. ON DELETE NO ACTION

43. Which two of the following SQL data types should be used to store a small binary image?

A. CLOB **B. BLOB** C. VARCHAR **D. GRAPHIC** E. VARCHAR FOR BIT DATA

44. A stored procedure has been created with the following statement:

CREATE PROCEDURE P1(IN VAR1 VARCHAR(10), INOUT VAR2 VARCHAR(10), OUT VAR3 INT)...

From the command line processor (CLP), which is the correct way to call this procedure?

A. Call P1(?,?,?)

B. Call P1("DB2",?,?)

C. Call P1("DB2","DB2",?)

D. Call P1('DB2','DB2',?)

45. Given the following SQL statements:

CREATE TABLE tab1 (col1 INT)

INSERT INTO tab1 VALUES (NULL)

INSERT INTO tab1 VALUES (1)

CREATE TABLE tab2 (COL1 INT)

INSERT INTO tab2 VALUES (NULL)

INSERT INTO tab2 VALUES (1)

SELECT COUNT(*) FROM tab1

WHERE col1 IN

(SELECT col1 FROM tab2)

Which of the following is the result of the SELECT COUNT(*) statement?

A. 0 **B. 1** C. 2 D. NULL

46. Given the following CREATE TABLE statement:

```
CREATE TABLE t1
```

```
(  
  col1 INTEGER NOT NULL CONSTRAINT chk1 UNIQUE,  
  col2 DATE NOT NULL CHECK (col2 <= CURRENT_DATE),  
  col3 CHARACTER(128) NOT NULL WITH DEFAULT USER,  
  col4 VARCHAR (300) NOT NULL WITH DEFAULT  
)
```

The definition of which column caused the statement to fail?

A. COL1 **B. COL2** C. COL3 D. COL4

47. Which two of the following are enforced by the database to restrict specific values from being inserted into a column in a particular table?

A. Index B. Stored procedure **C. Referential constraint** **D. A view with check option**
E. External scalar function

第四套

1. Which of the following can be used to store images in a DB2 database?

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

2. When using DB2 Connect, which of the following commands specifies the protocol information on how to connect to the host or to the server?

- A. CATALOG DCS
- B. CATALOG NODE**
- C. CATALOG DATABASE
- D. CATALOG ODBC DATA SOURCE

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

- A. *
- B. _**
- C. @
- D. ?

4. Given the following table definition and SQL statements:

```
CREATE TABLE table1 (col1 INT, col2 CHAR(40), col3 INT)
```

```
GRANT INSERT, UPDATE, SELECT, REFERENCES ON TABLE table1 TO USER usera
```

Which of the following SQL statements will revoke the privileges granted to user USERA on COL1 and COL2?

- A. REVOKE UPDATE ON TABLE table1 FROM USER usera
- B. REVOKE ALL PRIVILEGES ON TABLE table1 FROM USER usera**
- C. REVOKE ALL PRIVILEGES ON TABLE table1 COLUMNS (col1, col2) FROM usera
- D. REVOKE REFERENCES ON TABLE table1 COLUMNS (col1, col2) FROM USER usera

5. A business has a requirement that a row not be deleted from the parent table if a row with the corresponding key value still exists in the child table. Which of the following delete rules would enforce this requirement?

- A. DELETE
- B. CASCADE
- C. RESTRICT**

D. SET NULL

6. Which two of the following SQL data types should be used to store double byte character data?

- A. CLOB
- B. CHAR
- C. DBCLOB**
- D. GRAPHIC**
- E. VARCHAR

7. Given the two table definitions:

ORG

deptnumb	INTEGER
deptname	CHAR(30)
manager	INTEGER
division	CHAR(30)
location	CHAR(30)

STAFF

id	INTEGER
name	CHAR(30)
dept	INTEGER
job	CHAR(20)
years	INTEGER
salary	DECIMAL(10,2)
comm	DECIMAL(10,2)

Which of the following statements will display all departments, alphabetically by department name, and the name of the manager of each department?

- A. SELECT a.deptname, b.name FROM org a, staff b WHERE b.manager=a.id
- B. SELECT a.deptname, b.name FROM org a, staff b WHERE b.manager=a.id
GROUP BY a.deptname, b.name
- C. SELECT a.deptname, b.name FROM org a, staff b WHERE a.manager=b.id
ORDER BY a.deptname, b.name**
- D. SELECT a.deptname, b.name FROM org a, staff b WHERE a.manager=b.id
GROUP BY b.name ORDER BY a.deptname

8. Which of the following can duplicate the structure and related objects of a database table?

- A. Copy table
- B. Alter table
- C. Export table**
- D. Generate DDL

9. Given the following statements:

```
CREATE TABLE tab1 (c1 CHAR(1))
```

```
INSERT INTO tab1 VALUES ('b')
```

```
CREATE VIEW v1 AS SELECT c1 FROM tab1 WHERE c1='a' WITH CHECK OPTION
```

```
INSERT INTO v1 VALUES ('a')
```

```
INSERT INTO v1 VALUES ('b')
```

How many rows would be returned from the statement, `SELECT c1 FROM tab1`?

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

10. Given the following statements:

```
CREATE TABLE tab1 (c1 CHAR(3) WITH DEFAULT '123',c2 INTEGER);
```

```
INSERT INTO tab1(c2) VALUES (123);
```

Which will be the result of the following statement when issued from the Command Line Processor?

```
SELECT * FROM tab1;
```

- A. C1 C2

```
-----
```

```
0 record(s) selected.
```

- B. C1 C2**

```
-----
```

```
123 123
```

```
1 record(s) selected.
```

- C. C1 C2

```
-----
```

```
123
```

```
1 record(s) selected.
```

D. C1 C2

--- -----

- 123

1 record(s) selected.

11. Given the following tables:

NAMES

Name	Number
Wayne Gretzky	99
Jaromir Jagr	23
Bobby Orr	4
Bobby Hull	68
Brett Hull	16
Mario Lemieux	66
Steve Yzerman	19
Claude Lemieux	13
Mark Messier	11
Mats Sundin	19

POINTS

Name	Points
Wayne Gretzky	168
Jaromir Jagr	129
Bobby Orr	93
Bobby Hull	121
Brett Hull	189
Mario Lemieux	244

PIM

Name	PIM
Mats Sundin	14
Jaromir Jagr	16
Bobby Orr	18
Mark Messier	12
Brett Hull	32
Mario Lemieux	66
Joe Sakic	23

Which of the following statements will display the name, number, points and PIM for players with an entry in all three tables?

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

12. For which of the following database objects can locks NOT be obtained?

- A. A row
- B. A table
- C. **A column**
- D. An index key

13. A stored procedure has been created with the following statement:

```
CREATE PROCEDURE P1(IN VAR1 INTEGER, OUT VAR2 VARCHAR(10))...
```

From the command line processor (CLP), which is the correct way to invoke this procedure?

- A. RUN P1 (10, ?)
- B. **CALL P1 (10, ?)**
- C. SELECT P1 (10, ?)
- D. EXECUTE P1 (10, ?)

14. Which of the following processes is NOT performed by DB2 Warehouse Manager?

- A. **Query**
- B. Loading
- C. Extraction
- D. Transformation

15. At a minimum, which of the following products must be installed to provide a single point of control through the Control Center for local and remote DB2 data sources?

- A. DB2 Runtime Client
- B. **DB2 Administration Client**

- C. DB2 Enterprise Server Edition
- D. DB2 Connect Enterprise Edition

16. A developer is building a Windows embedded SQL application that will access DB2 UDB for OS/390 or OS/400 servers. Which of the following products is required to be installed on the Windows system in order to build the application?

- A. DB2 UDB Personal Edition
- B. DB2 Connect Personal Edition
- C. DB2 Personal Developer's Edition**
- D. DB2 UDB Workgroup Server Edition

17. A developer is building a Solaris application that will access DB2 UDB for OS/390 or OS/400 servers. Which of the following products is required to be installed on the Solaris system in order to build the application?

- A. DB2 Connect Personal Edition
- B. DB2 Personal Developer's Edition
- C. DB2 UDB Workgroup Server Edition
- D. DB2 Universal Developer's Edition**

18. Which of the following tools can be used to identify inefficient SQL statements without executing them?

- A. QMF
- B. Task Center
- C. Visual Explain**
- D. Development Center

19. A table called EMPLOYEE has the following columns:

NAME

DEPARTMENT

PHONE_NUMBER

Which of the following will allow USER1 to modify the PHONE_NUMBER column?

- A. GRANT INDEX (phone_number) ON TABLE employee TO user1
- B. GRANT ALTER (phone_number) ON TABLE employee TO user1
- C. GRANT UPDATE (phone_number) ON TABLE employee TO user1**
- D. GRANT REFERENCES (phone_number) ON TABLE employee TO user1

20. USER3 has created table TAB1 and has no additional authorities. Which of the following statements is USER3 authorized to execute?

- A. GRANT LOAD ON TABLE tab1 TO user8
- B. GRANT CONTROL ON TABLE tab1 TO user8
- C. GRANT OWNERSHIP ON TABLE tab1 TO user8
- D. GRANT ALL PRIVILEGES ON TABLE tab1 TO user8**

21. An administrator issues:

GRANT ALL PRIVILEGES ON TABLE appl.tab1 TO user1 WITH GRANT OPTION

Which of the following statements is USER1 authorized to execute?

- A. GRANT DROP ON TABLE appl.tab1 TO user8
- B. GRANT OWNER ON TABLE appl.tab1 TO user8
- C. GRANT INSERT ON TABLE appl.tab1 TO user8**
- D. GRANT CONTROL ON TABLE appl.tab1 TO user8

22. Which two of the following can be done using the ALTER TABLE statement?

- A. Add a trigger.
- B. Define an index.
- C. Drop a table alias.
- D. Add an INTEGER column.**
- E. Define a unique constraint.**

23. Which two of the following can be done using the ALTER TABLE statement?

- A. Define a trigger.
- B. Define a primary key.**
- C. Add a check constraint.**
- D. Add a non-unique index.
- E. Change a column's name.

24. Given the following information:

CREATE TABLE tab1 (c1 CHAR (4), c2 INTEGER)

INSERT INTO tab1 VALUES ('123', 345)

UPDATE tab1 SET (c1, c2) = (NULL, 0)

What will be the result of the following statement if issued in the Command Line Processor?

SELECT * FROM tab1;

A. C1 C2

```
-----
-      0
1 record(s) selected.
```

B. C1 C2

```
-----
123   345
1 record(s) selected.
```

C. C1 C2

```
-----
NULL  0
1 record(s) selected.
```

D. C1 C2

```
-----
123   0
1 record(s) selected.
```

25. Given the following DDL statement:

CREATE TABLE newtab1 LIKE tab1

Which of the following would occur as a result of the statement execution?

- A. **NEWTAB1 would have the same column names and attributes as TAB1**
- B. NEWTAB1 would have the same column names, attributes, and data as TAB1
- C. NEWTAB1 would have the same column names, attributes, indexes, and constraints as TAB1
- D. NEWTAB1 would have the same column names, attributes, and referential integrity as TAB1

26. Which of the following utilities can examine a table and its indexes and update the system catalogs with the table's statistical information?

- A. **runstats**
- B. getstats
- C. check index
- D. Chkstats

27. A user creates the table TABLE1. Which of the following statements would explicitly give USER1 the

ability to read rows from the table?

- A. GRANT VIEW TO user1 ON TABLE table1
- B. GRANT READ TO user1 ON TABLE table1
- C. GRANT SELECT ON TABLE table1 TO user1**
- D. GRANT ACCESS ON TABLE table1 TO user1

28. The user USER1 is executing the statement

CREATE TABLE app1.table1 (col1 INT, col2 INT)

Which of the following privileges is required by USER1 for the statement to be successful?

- A. CREATEIN for the database
- B. CREATEIN for the schema app1**
- C. CREATEIN for the schema user1
- D. CREATEIN for the table table1

29. When granted to user1, which of the following will allow user1 to ONLY access table data?

(Select the correct response)

- A. DBADM authority
- B. SYSADM authority
- C. SELECT privilege on the table**
- D. SELECT privilege WITH GRANT OPTION on the table

30. When establishing client-server communication, passwords CANNOT be verified by:

- A. The DRDA DB2 server.
- B. The client operating system.
- C. The gateway operating system.
- D. Looking in the catalog tables for the password.**

31. Which of the following Control Center options shows the dependencies between a specific view and its tables?

- A. Show SQL
- B. Show Related**
- C. Sample Contents
- D. Customize Columns

32. Which of the following describes when indexes can be explicitly referenced by name within an SQL statement?

- A. When dropping the index**
- B. When updating the index
- C. When selecting on the index
- D. When inserting using the index

33. Which of the following CANNOT be used to restrict specific values from being inserted into a column in a particular table?

- A. view
- B. index**
- C. check constraint
- D. referential constraint

34. Which of the following tasks can be performed using the ALTER TABLESPACE statement?

- A. Assign a bufferpool.**
- B. Change the table space name.
- C. Change the type of the table space.
- D. Change the page size of the table space

35. User2 has DBADM authority on database DB1. This allows the user to do which of the following?

- A. Drop database DB1
- B. Backup database DB1
- C. Create tables in any database
- D. Create tables in database DB1**

36. Given a table T1, with a column C1 char(3), that contains strings in upper and lower case letters, which of the following queries will find all rows where C1 is the string 'ABC' in any case?

- A. `SELECT * FROM t1 WHERE c1 = 'ABC'`
- B. `SELECT * FROM t1 WHERE UCASE(c1) = 'ABC'`**
- C. `SELECT * FROM t1 WHERE IGNORE_CASE(c1 = 'ABC')`
- D. `SELECT * FROM t1 WHERE c1 = 'ABC' WITH OPTION CASE INSENSITIVE`

37. Given the following table definition:

STAFF

id INTEGER

name CHAR(20)

dept INTEGER

job CHAR(20)

years INTEGER

salary DECIMAL(10,2)

comm DECIMAL(10,2)

The job column contains these job types: manager, clerk, and salesperson. Which of the following statements will return the data with all managers together, all clerks together and all salespeople together in the output?

- A. **SELECT * FROM staff ORDER BY job**
- B. SELECT job, name FROM staff GROUP BY name, job
- C. SELECT * FROM staff GROUP BY name, job, id, dept, years, salary, comm
- D. SELECT * FROM staff ORDER BY name, job, id, dept, years, salary, comm

38. Given the following table definition:

STAFF

Id INTEGER

name CHAR(20)

dept INTEGER

job CHAR(20)

years INTEGER

salary DECIMAL(10,2)

comm DECIMAL(10,2)

Which of the following SQL statements will return the total number of employees in each department and the corresponding department id under the following conditions:

Only return departments with at least one employee receiving a commission greater than 5000. The result should be sorted by the department count from most to least.

- A. SELECT dept, COUNT(id) FROM staff WHERE comm > 5000 GROUP BY dept ORDER BY 2 DESC
- B. **SELECT dept, COUNT(*) FROM staff GROUP BY dept HAVING comm > 5000 ORDER BY 2 DESC**
- C. SELECT dept, COUNT(*) FROM staff WHERE comm > 5000 GROUP BY dept, comm ORDER BY 2 DESC

D. SELECT dept, comm, COUNT(id) FROM staff WHERE comm > 5000 GROUP BY dept, comm ORDER BY 3 DESC

39. Which of the following can be accomplished with a single UPDATE statement?

- A. Updating multiple tables
- B. Updating a view consisting of joined tables
- C. Updating multiple tables based on a WHERE clause**
- D. Updating a table based on a sub-select using joined tables

40. Given an embedded SQL program with a single connection, two threads and the following actions:

Thread 1: INSERT INTO mytab VALUES (...)

Thread 2: INSERT INTO mytab VALUES (...)

Thread 1: ROLLBACK

Thread 2: INSERT INTO mytab VALUES (...)

Thread 1: COMMIT

How many records will be successfully inserted into the table mytab?

(Select the correct response)

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

41. Given two embedded SQL program executions with the following actions:

Pgm1

INSERT INTO mytab VALUES (...)

COMMIT

INSERT INTO mytab VALUES (...)

ROLLBACK

Pgm2

INSERT INTO mytab VALUES (...)

ROLLBACK

INSERT INTO mytab VALUES (...)

COMMIT

How many records will be successfully inserted and retained in the table mytab?

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

42. Which two of the following DB2 authorization groups are authorized to create a table within database sample?

- A. DBADM**
- B. DBCTRL
- C. SYSADM**
- D. DBMAINT
- E. ALTERIN
- F. SYSMANT

43. Which of the following is NOT a valid data type on CREATE TABLE?

- A. CLOB
- B. DOUBLE
- C. NUMERIC
- D. DATETIME**

44. Given the tables:

TABLEA		TABLEB		
empid	name	empid	weeknumber	paycheck
1	JOE	1	1	1000.00
2	BOB	1	2	1000.00
		2	1	2000.00

TABLEB was defined as follows:

```
CREATE TABLE tableb (empid CHAR(3), weeknumber CHAR(3), paycheck DECIMAL(6,2),
CONSTRAINT const1 FOREIGN KEY (empid) REFERENCES tablea (empid) ON DELETE SET NULL)
```

How many rows would be deleted from tableb if the following command is issued:

```
DELETE FROM tablea WHERE empid = '2'?
```

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

45. In which of the following locations are the referential constraints stored?

- A. The user tables.
- B. The explain tables.
- C. SYSIBM.SYSTRIGGERS.
- D. The system catalog tables.**

46. Given the statement:

```
CREATE TABLE t1
```

```
(
```

```
  c1 CHAR(3) CONSTRAINT c1 CHECK (c1 IN ('A01','B01','C01'))
```

```
)
```

DB2 verifies that the table check constraint is met during which of the following actions?

- A. Adding data using load
- B. The reorg of the table
- C. The insert of each row in t1**
- D. The creation of the index for the table

47. For a clustering index to be effective in keeping the data in order, which of the following parameters must be set correctly for the index?

(Select the correct response)

- A. FREE ROWS
- B. PERCENT FREE**
- C. CLUSTERRATIO
- D. CLUSTER FACTOR

48. Given an application bound with cursor stability which will be updating rows in a table and obtaining row locks, which of the following table locks will DB2 acquire for the application first?

- A. U - update
- B. X - exclusive
- C. IU - intent update
- D. IX - intent exclusive**

49. Which of the following types of DB2 locks allows for the most concurrency within a table?

- A. A row lock**

- B. A page lock
- C. A field lock
- D. A column lock

50. Which of the following DB2 UDB isolation levels will NOT lock any rows during read processing?

- A. Read Stability
- B. Repeatable Read
- C. Uncommitted Read**
- D. Cursor Stability

51. Which of the following processing can occur for a unit of work using an isolation level of Read Stability and scanning through the table more than once within the unit of work?

- A. Access uncommitted changes made by other processes
- B. Update uncommitted changes made by other processes
- C. Rows added to a result set by other processes from one scan to the next
- D. Rows changed in a result set by other processes from one scan to the next**