**DBT - MID MODULE QUIZ – FEB 19**

## TOTAL QUESTIONS: 20

*You are given 30 minutes to answer 20 questions. Each question carries 1 Mark.*

*Do not try to over think the questions. The correct answer is among the list of choices only.*

**1. Which normal form dictates that all non-key attributes of a table must be functionally dependent on a candidate key?**

A. 2nd NF  
B. 3rd NF  
C. 4th NF  
D. BCNF

**2. Which of the ACID properties of a transactions ensures that other operations cannot access or see the data in an intermediate state during a transaction?**

A. Atomicity   
B. Consistency  
C. Isolation  
D. Durability

**3. Which of the following is NOT an RDBMS?**

A. PostgreSQL  
B. MariaDB  
C. MongoDB  
D. MySQL

**4. ……………..specifies a search condition for a group or an aggregate.**

A. GROUP BY Clause  
B. HAVING Clause  
C. FROM Clause  
D. WHERE Clause

**5. Result of the below query is:**

**Select ('Potato ' + NULL + 'Chips') from dual;**

A. Potato Chips  
B. Potato  
C. NULL  
D. NONE OF ABOVE

**6. All aggregate functions ignore NULLs except for..........**

A. Distinct  
 B. Count(\*)  
 C. Average()  
D. None of above

**7. What kind of relation will be there between following sets of entities in a Library?**

**(i) Books and Authors (ii) Publishers and Books**

A. (i) One to One, (ii) One to Many  
 B. (i) Many to Many, (ii) One to Many  
C. (i) Many to Many, (ii) Many to Many  
 D. (i) Many to Many, (ii) Many to One

**8. What will be result of "select count (\*) from dept;" statement after running following set of commands** -

***INSERT INTO DEPT VALUES (10, 'PURCHASE', 'MUMBAI');  
INSERT INTO DEPT VALUES (20, 'ACCOUNTS', 'MUMBAI');***

***COMMIT;***

***INSERT INTO DEPT VALUES (30, 'STORE', 'MUMBAI');***

***SAVEPOINT A;***

***INSERT INTO DEPT VALUES (40, 'COURSE', 'NAVI MUMBAI');***

***ROLLBACK;***

***INSERT INTO DEPT VALUES (50, 'LIBRARY', 'NAVI MUMBAI');***

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

**9. ER Model represents\_\_\_\_\_\_\_\_\_\_**

A. Architecture of DBMS  
B. External Database Design  
C. Physical Database Design  
D. Conceptual Database Design

**10. If EMP relation contains 15 rows and DEPT relation contains 5 rows. How many rows will be returned by Cartesian product of EMP and DEPT relations?**

A. 15  
 B. 10  
 C. 20  
 D. 75

**11. How many columns will be returned by following command -**

**SELECT deptno dname FROM dept;**

A. 1  
B. 2  
 C. All Columns of dept table  
 D. It will give an error.

**12. Which of the following MySQL object provide a way for your program to select multiple rows of data from the database and then process each row individually?**

A. Anonymous Block  
 B. Cursor  
C. Trigger  
 D. Function

**13. Which of the following is TRUE regarding stored procedures?**

A. Stored procedure can return a value.  
 B. Stored procedure can be called in SELECT statement.  
 C. Stored procedures are compiled only once.  
D. One cannot perform DML operations in Stored procedures.

**14. Which of the following query will be used to retrieve all employees with their department name, whether or not they have matching departments in the departments table?**

A. SELECT ename, dname FROM emp e JOIN dept d ON (e.deptno = d.deptno);

B. SELECT ename, dname FROM emp e LEFT OUTER JOIN dept d ON (e.deptno = d.deptno);

C. SELECT ename, dname FROM emp e RIGHT OUTER JOIN dept d ON (e.deptno = d.deptno);

D. SELECT ename, dname FROM emp e FULL OUTER JOIN dept d ON (e.deptno = d.deptno);

**15. What needs to be added when user want to show results by Descending Order?**

A. Descending order is not possible.

B. User can add DESC with Order By clause

C. User can add ‘<>ASC’ with Order by Clause.

D. Both B & C

**16. Which one is faster to completely delete data from a table?**

A. Truncate

B. Delete

C. Remove  
D. None of the above

**17. Which of the following is not comparison operator?**

A. <>  
B. <  
C. =<  
D. >=

**18. Data Manipulation Language enables users to -**

A. Update of information stored in database  
B. Insertion of new information into the database  
C. Deletion of information from the database  
D. All of the above

19. **The SQL WHERE clause \_\_\_\_\_\_.**

A. limits the column data that are returned.

B. limits the row data are returned.

C. Both A and B are correct.

D. Neither A nor B are correct.

20. **A UNION query is which of the following?**

A. Combines the output from no more than two queries and must include the same number of columns.

B. Combines the output from no more than two queries and does not include the same number of columns.

C. Combines the output from multiple queries and must include the same number of columns.

D. Combines the output from multiple queries and does not include the same number of columns.