Paper Code - 3695

M.Sc. (C.A. & IT) Semester-III (Old Course)
July-Septermber-2021
305 Database Management Syste,

કુલ સમય :– : ૬૦ મીનીટ   કુલ પ્રશ્નો : ૫૦   વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. Which operator is used to compare a value to a specified list of values?
    (A) IN   (B) ANY   (C) BETWEEN   (D) ALL
2. The command used to delete a particular column in a relation is _____
    (A) UPDATE COLUMN   (B) ALTER TABLE   (C) TRUNCATE TABLE   (D) NONE OF THE ABOVE
3. The database language that allows us to access data in a database is called :
    (A) DML   (B) DDL   (C) DQL   (D) DCL
4. Which of the following is a comparison operator in SQL?
    (A) ==   (B) =   (C) LIKE   (D) ALL OF THE ABOVE
5. Which of the following is a legal expression in SQL?
    (A) SELECT NULL FROM CUSTOMER;   (B) SELECT NAME FROM CUSTOMER;
    (C) SELECT * FROM CUSTOMER WHEN RATING = NULL; (D) SELECT # FROM CUSTOMER;
6. _____is an authorization statement?
    (A) Allow   (B) Grant   (C) Access   (D) All of above
7. _____ is an aggregate function in sql.
    (A) Min   (B) Group   (C) Union   (D) Select
8. Which of the following is optional in PL/SQL?
    (A) Begin   (B) End   (C) Declare   (D) all of the above
9. _____ is not iterative control in PL/SQL.
    (A) For   (B) While   (C) Goto   (D) All of the above
10. Which of the following is sql statement?
    (A) Describe   (B) Connect   (C) Password   (D) Truncate
11. Which of the following is true for CHAR data type?
    (A) 50% faster than varchar   (B) Fixed length data type   (C) Store alphanumeric values   (D) All of the above
12. _____normal form tests transitive dependency.
    (A) 1NF   (B) 2NF   (C) 3NF   (D) None of the above
13. SQL stands for _____.
    (A) Simple query language   (B) Structure query language   (C) Simple query list   (D) Structure query list
14. Which is not table level constraint?
    (A) Check   (B) Unique   (C) Foreign key   (D) Not null
15. _____Symbol is used to display _____ in ER diagram.
    (A) Entity   (B) Attribute   (C) Relationship   (D) Weak entity set
16. _____is virtual table in DBMS.
    (A) INDEX   (B) VIEW   (C) TABLE   (D) SYNONYM
17. DBA is _____.
    (A) Database administrator   (B) System analyst   (C) Query expert   (D) Data scientist
18. _____is not a feature of FOR LOOP cursor.
    (A) Declare record type variable automatically   (B) Open cursor   (C) Close cursor   (D) None of the above
19. Cursor is oracle's _____memory area.
    (A) Protected   (B) Public   (C) Private   (D) Open
20. Exception is _____.
    (A) Compile time error   (B) Run time error   (C) Syntax error   (D) Linking error
21. Which of the following is correct way to declare label in GOTO statement in PL/SQL?
    (A) :Start   (B) Start: (C) <<Start>>   (D) Start::
22. EXIT statement is used to _____in PL/SQL.
    (A) To exit from program   (B) To exit from conditional statement
    (C) To exit from loop   (D) All of the above
23. Select statement must select _____ row(s) in BEGIN block, otherwise will give you an error.
    (A) 1   (B) 2   (C) 3   (D) 4
24. RAISE statement is used to _____in PL/SQL.
    (A) Declare user defined exception   (B) Raise user defined exception
    (C) Raise compile time error   All of the above
25. IF condition should be terminated by _____.
    (A) END;   (B) ENDIF;   (C) END IF;   (D) IF END;

26. Which of the following is true to reverse FOR loop?
    (A) FOR I IN 1..10 REVERSE   (B) FOR I IN REVERSE 1..10
    (C) FOR I IN 10..1   (D) ALL OF THE ABOVE
27. Which of the following is not true for PL/SQL?
    (A) Not Portable   (B) We can handle exceptions
    (C) We can use conditional statements   (D) We can use iterative controls.
28. Data is always related to _____.
    (A) Index   (B) Input   (C) Output   (D) View
29. In three levels of database architecture, physical level describes_____
    (A) What data are stored in database   (B) How data are actually stored in database
    (C) Which data are stored in database   (D) None of the above
30. Which of the following is not the advantage of DBMS?
    (A) Redundancy control   (B) Data consistency   (C) Enforces integrity constraints   (D) Unauthorized access
31. _____ is not TCL statement.
    (A) Savepoint   (B) Commit   (C) Grant   (D) Rollback
32. An entity is _____.
    (A) Set of attributes   (B) Set of tables   (C) Set of variables   (D) Set of indexes
33. Full form of DBMS is _____.
    (A) Distributed management system   (B) Database management system
    (C) Database modification system   (D) Data management system
34. Which of the following is not transaction state?
    (A) Active   (B) Committed   (C) Failed   (D) Inactive
35. In ACID property of transaction, A stands for_____.
    (A) Accessibility   (B) Atomicity   (C) Availability   (D) Adoptability
36. Which of the following is not the advantage of concurrent transaction?
    (A) Reduced wait time   (B) Higher throughput   (C) Improved response time   (D) Increased wall time
37. Shared lock is compatible with other _____lock.
    (A) Shared   (B) Exclusive   (C) All of the above   (D) None of the above
38. _____ is used to detect deadlock.
    (A) Tree   (B) Wait-for graph   (C) Queue   (D) Dead-lock graph
39. In starvation, Transaction _____.
    (A) Will get chance for execution   (B) Will get chance for promotion
    (C) Will never get chance for execution   (D) None of the above
40. _____allows database modification while transaction is in active state.
    (A) Deferred database modification technique   (B) Immediate database modification technique
    (C) Preferred database modification technique   (D) All of the above
41. Shadow paging is _____.
    (A) Backup technique   (B) Failure in transaction   (C) Recovery technique   (D) Cascading rollback
42. Query processing involves _____.
    (A) Parsing   (B) Optimization   (C) Evaluation   (D) All of the above
43. Which of the following statement is used to assign privileges?
    (A) Grant   (B) Revoke   (C) Access   (D) Allow
44. The process of selecting the most efficient query evaluation plan is called_____.
    (A) Query processing   (B) Query Evaluation   (C) Query Optimization   (D) Query Analyzing
45. Transaction is a set of _____statement to perform specific task.
    (A) Physical   (B) Conceptual   (C) Logical   (D) Enhanced
46. Backup is the copy of _____data.
    (A) Original   (B) Recovered   (C) Undo   (D) None of the above
47. Recovery is only possible when we have _____ .
    (A) Patience   (B) Backup   (C) Knowledge   (D) Transaction
48. Normalization can _____.
    (A) Remove redundancy   (B) Decompose relations   (C) Reduce complexity   (D) All of the above
49. View is _____ table.
    (A) Original   (B) Virtual   (C) Duplicate   (D) Recovery
50. While transaction is running, it can be in _____ state.
    (A) Active   (B) Partially committed   (C) BOTH A AND B   (D) NONE OF THE ABOVE