S.Y.B.Sc. (I.T.) Sem-III

DMBS

Sample Questions

1. In ----------------------- data is de-centralized or distributed.
    a) Database management system
    b) Relational database system
    c) Traditional file system
    d) Transaction management system
2. -------------- operations focuses only on the required columns for display rather than all the column.
    a) Projection
    b) Selection
    c) Rename
    d) Cartesian product
3. To display maximum salaries grouping on the basis of job will give query as:
    Select job, max(sal) from emp ------------ job;
    a) Having
    b) Where
    c) Group by
    d) Distinct
4. -------------- lock is acquired on transaction when concurrent transactions granted permission for read access on data.
    a) Exclusive
    b) Commit
    c) Shared
    d) Uncommitted
5. Stored subprograms of PL/SQL increase the ----------------- by centralizing processing on the database server.
    a) Portability
    b) Scalability
    c) Productivity
    d) Manageability
6. -------------- is used to define a point in a transaction to which the transaction can be later rolled back.
    a) Cursor
    b) Lock
    c) Savepoint
    d) Abort
7. -------------- function return RAISE_APPLICATION_ERROR s the error message associated with the most recently raised error exception .
    a) SQLERRM
    b) SQLERROR
    c) SQLCODE
    d) SQLNUMBER

8. In corporate system, an employee cannot take part in more than 5 projects is an example of ------------------ constraints.
   a) Domain integrity
   b) Entity integrity
   c) Referential
   d) Enterprise

9. --------------------- model allow multiple records linked in Same file, there is no downward tree structures.
   a) Entity relationship
   b) Object oriented
   c) Physical
   d) Network database

10. -------------- restrict the data to be inserted with specific constraints.
    a) Relation
    b) Tuple
    c) Domain
    d) Field

11. --------------- values are assigned to transaction in the order in which the transaction are submitted to the system.
    a) Log
    b) Timestamp
    c) Lock
    d) Page

12. Primary key is combination of Not Null and ------------ constraints.
    a) Not Null
    b) Unique
    c) Default
    d) Check

13. In good relational design, database must be ----------------- since much of the information is stored in database rather than in the application.
    a) Self design
    b) Self documenting
    c) Self analysis
    d) Self reporting

14. In entity student, the attribute student_contact no could be considered as -------------- attribute.
    a) Composite
    b) Multi-value
    c) Simple
    d) Derived

15. ---------------- convert retrieve,insert update, delete etc. Commands into object code for understanding of database.
    a) DDL compiler
    b) Data manager
    c) DML compiler
    d) Query optimizer

16. Syntax For trigger :
    CREATE
    [DEFINER = {user | CURRENT_USER}]
    TRIGGER trigger_name
    Trigger _time ----------------
    ON tbl_name FOR EACH ROW
    Trigger_body
    END;
    a) Trigger_incident
    b) Trigger_location
    c) Trigger_update
    d) Trigger_event

17. While selection of victim, it is necessary to rollback the transaction which has minimum ---------.
    a) State
    b) Cost
    c) Lock
    d) Path

18. The ------------ statement can be used when a single condition may evaluate multiple results and therefore multiple actions s.
    a) IF
    b) CASE
    c) FOR
    d) LOOP

19. ----------- defines that all the attributes in a relation must have atomic values.
    a) 1 NF
    b) 2 NF
    c) 3 NF
    d) Boyce-Codd NF

20. -------------- will be used with embedded applications, or all applications that needs portability, or application that do not require expansion.
    a) MySQL
    b) SQLite
    c) PostgreSQL
    d) PL-SQL

21. {<a1,a4,……,an> | P <a1, a4,…….,an>} is typical query for -------------------.
    a) Domain relational calculus
    b) Tuple relational algebra
    c) Domain relational algebra
    d) Tuple relational calculus

22. In SQL, a ------------------- is a virtual table containing the records of one or more tables based on SQL statement executed.
    a) Constraint
    b) View
    c) Trigger
    d) Schedule

23. Sometimes it is possible that same transaction may be selected multiple times in multiple deadlock situation, in such a cases it will be difficult for victim transaction to complete it's execution, it is called as ---------------.
    a) Wait-Die
    b) Wait-for-graph
    c) Wound-wait
    d) Starvation

24. -------------- are written in advance and compiled before it's use thus improving the speed of execution.
    a) Cursor
    b) Stored procedures
    c) Exception handling
    d) Trigger

25. If we want data from all the columns then no need to mention column names, ----- symbol represents all column s.
    a) @
    b) ;
    c) ()
    d) *