

# National Testing Agency

**Question Paper Name :** Data Base Management System 29th  
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## Data Base Management System

**Group Number :** 1

**Group Id :** 603489238

**Group Maximum Duration :** 0

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**Show Attended Group? :** No

**Edit Attended Group? :** No

**Break time :** 0

**Group Marks :** 100

**Is this Group for Examiner? :** No

## Data Base Management System-1

**Section Id :** 603489348

**Section Number :** 1

**Section type :** Online

**Mandatory or Optional :** Mandatory

<b>Number of Questions :</b>	100
<b>Number of Questions to be attempted :</b>	100
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	603489639
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 60348916832 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A \_\_\_\_\_ in a table represents a relationship among a set of values.

1. Column
2. Key
3. Row
4. Entry

**Options :**

60348963309. 1

60348963310. 2

60348963311. 3

60348963312. 4

**Question Number : 2 Question Id : 60348916833 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Database \_\_\_\_\_ which is the logical design of the database, and the database \_\_\_\_\_ which is a snapshot of the data in the database at a given instant in time.

1. Instance, Schema
2. Relation, Schema
3. Relation, Domain
4. Schema, Instance

**Options :**

60348963313. 1

60348963314. 2

60348963315. 3

60348963316. 4

**Question Number : 3 Question Id : 60348916834 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Using which language can a user request information from a database?

1. Query
2. Relational
3. Structural
4. Compiler

**Options :**

60348963317. 1

60348963318. 2

60348963319. 3

60348963320. 4

**Question Number : 4 Question Id : 60348916835 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The \_\_\_ operation allows the combining of two relations by merging pairs of tuples, one from each relation, into a single tuple.

1. Select
2. Join
3. Union
4. Intersection

**Options :**

60348963321. 1

60348963322. 2

60348963323. 3

60348963324. 4

**Question Number : 5 Question Id : 60348916836 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The \_\_\_\_\_ operator takes the results of two queries and returns only rows that appear in both result sets.

1. Union
2. Intersect
3. Difference
4. Projection

**Options :**

60348963325. 1

60348963326. 2

60348963327. 3

60348963328. 4

**Question Number : 6 Question Id : 60348916837 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is element of the database

1. data
2. constraints and schema
3. relationships
4. all of these

**Options :**

60348963329. 1

60348963330. 2

60348963331. 3

60348963332. 4

**Question Number : 7 Question Id : 60348916838 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Name of the system database that contains description of data in database:

1. data dictionary
2. metadata
3. table
4. none of the above

**Options :**

60348963333. 1

60348963334. 2

60348963335. 3

60348963336. 4

**Question Number : 8 Question Id : 60348916839 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

An object oriented dbms is capable of holding

1. data and text
2. pictures and images
3. voice and video
4. all of these

**Options :**

60348963337. 1

60348963338. 2

60348963339. 3

60348963340. 4

**Question Number : 9 Question Id : 60348916840 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following stores data that is permanent?

1. transaction file
2. report file
3. master file
4. none of these

**Options :**

60348963341. 1

60348963342. 2

60348963343. 3

60348963344. 4

**Question Number : 10 Question Id : 60348916841 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What is RDBMS terminology for a column

1. tuple
2. relation
3. attribute
4. domain

**Options :**

60348963345. 1

60348963346. 2

60348963347. 3

60348963348. 4

**Question Number : 11 Question Id : 60348916842 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In order to undo the work of transaction after last commit which one should be used?

1. View
2. Commit
3. Rollback
4. Flashback

**Options :**

60348963349. 1

60348963350. 2

60348963351. 3

60348963352. 4

**Question Number : 12 Question Id : 60348916843 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A transaction which completes its execution is said to be

1. Committed
2. Aborted
3. Rolled back
4. Failed

**Options :**

60348963353. 1

60348963354. 2

60348963355. 3

60348963356. 4

**Question Number : 13 Question Id : 60348916844 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following statements is used to modify table

1. modify/table
2. update/table
3. alter table
4. all of these

**Options :**

60348963357. 1

60348963358. 2

60348963359. 3

60348963360. 4

**Question Number : 14 Question Id : 60348916845 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The primary key must be

1. Unique
2. Not null
3. Both Unique and Not null
4. Either Unique or Not null

**Options :**

60348963361. 1

60348963362. 2

60348963363. 3

60348963364. 4

**Question Number : 15 Question Id : 60348916846 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



Which one of the following helps to detect poor ER design?

1. ER design process
2. Relational schema
3. Functional dependencies
4. Data base design process

**Options :**

60348963365. 1

60348963366. 2

60348963367. 3

60348963368. 4

**Question Number : 16 Question Id : 60348916847 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select operation from sql is :

1. data query language
2. data definition language
3. data manipulation language
4. data control language

**Options :**

60348963369. 1

60348963370. 2

60348963371. 3

60348963372. 4

**Question Number : 17 Question Id : 60348916848 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The association between two entities is called

1. binary relation
2. ternary relation
3. recursive relation
4. normal relation

**Options :**

60348963373. 1

60348963374. 2

60348963375. 3

60348963376. 4

**Question Number : 18 Question Id : 60348916849 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

How many join types are there in join condition:

1. 11
2. 9
3. 7
4. 5

**Options :**

60348963377. 1

60348963378. 2

60348963379. 3

60348963380. 4

**Question Number : 19 Question Id : 60348916850 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

EER stands for

1. extended E-R
2. effective E-R
3. expanded E-R
4. enhanced E-R

**Options :**

60348963381. 1

60348963382. 2

60348963383. 3

60348963384. 4

**Question Number : 20 Question Id : 60348916851 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

SDLC stands for

1. software development lifecycle
2. software design lifecycle
3. scientific design of linear characteristics
4. structured distributed lifecycle

**Options :**

60348963385. 1

60348963386. 2

60348963387. 3

60348963388. 4

**Question Number : 21 Question Id : 60348916852 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Temporary stored procedures are stored in \_\_\_\_\_ database.

1. Master
2. Model
3. User specific
4. Tempdb

**Options :**

60348963389. 1

60348963390. 2

60348963391. 3

60348963392. 4

**Question Number : 22 Question Id : 60348916853 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What are the different types of triggers?

1. Insert, Update, Delete
2. Drop, Comment
3. Define, Create
4. Create, Comment

**Options :**

60348963393. 1

60348963394. 2

60348963395. 3

60348963396. 4

**Question Number : 23 Question Id : 60348916854 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which one in the following is used to enhance the system performance in time critical operations?

1. Optimization
2. Redundant optimization
3. Normalization
4. Denormalization

**Options :**

60348963397. 1

60348963398. 2

60348963399. 3

60348963400. 4

**Question Number : 24 Question Id : 60348916855 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Logical database design is a process of

1. deriving physical structure of database
2. creating conceptual and external schema for high level
3. analyzing overall data requirements
4. none of these

**Options :**

60348963401. 1

60348963402. 2

60348963403. 3

60348963404. 4

**Question Number : 25 Question Id : 60348916856 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Logical database design is process of

1. deriving physical structure of database
2. creating conceptual and external schema for high level
3. analyzing overall data requirements
4. none of these

**Options :**

60348963405. 1

60348963406. 2

60348963407. 3

60348963408. 4

**Question Number : 26 Question Id : 60348916857 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

To replace the relation section with some other relation the initial step to be carried out is

1. Delete section
2. Drop section
3. Delete from section
4. Replace section new\_table

**Options :**

60348963409. 1

60348963410. 2

60348963411. 3

60348963412. 4

**Question Number : 27 Question Id : 60348916858 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

OLAP stands for

1. Online analytical processing
2. Online analysis problem
3. Online transaction processing
4. Online aggregate problem

**Options :**

60348963413. 1

60348963414. 2

60348963415. 3

60348963416. 4

**Question Number : 28 Question Id : 60348916859 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The process of viewing the cross-tab (Single dimensional) with a fixed value of one attribute is

1. Slicing
2. Dicing
3. Slicing and Pivoting
4. Pivoting and Dicing

**Options :**

60348963417. 1

60348963418. 2

60348963419. 3

60348963420. 4

**Question Number : 29 Question Id : 60348916860 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Normalisation process was developed by

1. E.F.CODD
2. R.F.BOYCE
3. R.FAGIN
4. COLLIN WHITE

**Options :**

60348963421. 1

60348963422. 2

60348963423. 3

60348963424. 4

**Question Number : 30 Question Id : 60348916861 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is a tuple-generating dependencies?

1. Functional dependency
2. Equality-generating dependencies
3. Multivalued dependencies
4. Non-functional dependency

**Options :**

60348963425. 1

60348963426. 2

60348963427. 3

60348963428. 4

**Question Number : 31 Question Id : 60348916862 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



A relation R in 3NF if

1. RELATION R is in 2NF
2. non prime attribute are mutually independent
3. functionally dependent on prime key
4. all of these

**Options :**

60348963429. 1

60348963430. 2

60348963431. 3

60348963432. 4

**Question Number : 32 Question Id : 60348916863 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Fifth Normal form is concerned with

1. Functional dependency
2. Multivalued dependency
3. Join dependency
4. Domain-key

**Options :**

60348963433. 1

60348963434. 2

60348963435. 3

60348963436. 4

**Question Number : 33 Question Id : 60348916864 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The number of attributes in relation is called as its

1. Cardinality
2. Degree
3. Tuples
4. Entity

**Options :**

60348963437. 1

60348963438. 2

60348963439. 3

60348963440. 4

**Question Number : 34 Question Id : 60348916865 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is a group of one or more attributes that uniquely identifies a row?

1. Key
2. Dependent
3. Determinant
4. Relation

**Options :**

60348963441. 1

60348963442. 2

60348963443. 3

60348963444. 4

**Question Number : 35 Question Id : 60348916866 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

SQL applies predicates in the \_\_\_\_\_ clause after groups have been formed, so aggregate functions may be used.

1. Group by
2. With
3. Where
4. Having

**Options :**

60348963445. 1

60348963446. 2

60348963447. 3

60348963448. 4

**Question Number : 36 Question Id : 60348916867 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A table can be logically connected to another table by defining a

1. Super key
2. Candidate key
3. Primary key
4. Unique key

**Options :**

60348963449. 1

60348963450. 2

60348963451. 3

60348963452. 4

**Question Number : 37 Question Id : 60348916868 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Triggers \_\_\_\_\_ enabled or disabled

1. Can be
2. Cannot be
3. Ought to be
4. Always

**Options :**

60348963453. 1

60348963454. 2

60348963455. 3

60348963456. 4

**Question Number : 38 Question Id : 60348916869 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

If the state of the database no longer reflects a real state of the world that the database is supposed to capture, then such a state is called

1. Consistent state
2. Parallel state
3. Durable state
4. Inconsistent state

**Options :**

60348963457. 1

60348963458. 2

60348963459. 3

60348963460. 4

**Question Number : 39 Question Id : 60348916870 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

\_\_\_\_\_ is a special type of integrity constraint that relates two relations & maintains consistency across the relations.

1. Entity Integrity Constraints
2. Referential Integrity Constraints
3. Domain Integrity Constraints
4. Domain Constraints

**Options :**

60348963461. 1

60348963462. 2

60348963463. 3

60348963464. 4

**Question Number : 40 Question Id : 60348916871 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Weak entity set is represented as

1. Underline
2. Double line
3. Double diamond
4. Double rectangle

**Options :**

60348963465. 1

60348963466. 2

60348963467. 3

60348963468. 4

**Question Number : 41 Question Id : 60348916872 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following terms does refer to the correctness and completeness of the data in a database?

1. Data security
2. Data constraint
3. Data independence
4. Data integrity

**Options :**

60348963469. 1

60348963470. 2

60348963471. 3

60348963472. 4

**Question Number : 42 Question Id : 60348916873 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The time for repositioning the arm is called the \_\_\_\_\_ and it increases with the distance that the arm must move.

1. Access time
2. Average seek time
3. Seek time
4. Rotational latency time

**Options :**

60348963473. 1

60348963474. 2

60348963475. 3

60348963476. 4

**Question Number : 43 Question Id : 60348916874 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which one of the following is a Stripping technique?

1. Byte level stripping
2. Raid level stripping
3. Disk level stripping
4. Block level stripping

**Options :**

60348963477. 1

60348963478. 2

60348963479. 3

60348963480. 4

**Question Number : 44 Question Id : 60348916875 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Large collection of files are called \_\_\_\_\_

1. Fields
2. Records
3. Database
4. Sectors

**Options :**

60348963481. 1

60348963482. 2

60348963483. 3

60348963484. 4

**Question Number : 45 Question Id : 60348916876 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A search key containing more than one attribute is referred to as a \_\_\_\_\_ search key.

1. Simple
2. Composite
3. Compound
4. Secondary

**Options :**

60348963485. 1

60348963486. 2

60348963487. 3

60348963488. 4

**Question Number : 46 Question Id : 60348916877 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A technique for direct search is

1. Binary Search
2. Linear Search
3. Tree Search
4. Hashing

**Options :**

60348963489. 1

60348963490. 2

60348963491. 3

60348963492. 4

**Question Number : 47 Question Id : 60348916878 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



The property (or set of properties) that uniquely defines each row in a table is called the:

1. Identifier
2. Index
3. Primary key
4. Symmetric key

**Options :**

60348963493. 1

60348963494. 2

60348963495. 3

60348963496. 4

**Question Number : 48 Question Id : 60348916879 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A hash function must meet \_\_\_\_\_ criteria.

1. Two
2. Three
3. Four
4. None of the mentioned

**Options :**

60348963497. 1

60348963498. 2

60348963499. 3

60348963500. 4

**Question Number : 49 Question Id : 60348916880 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A tablespace is further broken down into \_\_\_\_\_

1. Tablespace
2. Segments
3. Extents
4. Blocks

**Options :**

60348963501. 1

60348963502. 2

60348963503. 3

60348963504. 4

**Question Number : 50 Question Id : 60348916881 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following schemas does define a view or views of the database for particular users?

1. Internal schema
2. Conceptual schema
3. Physical schema
4. External schema

**Options :**

60348963505. 1

60348963506. 2

60348963507. 3

60348963508. 4

**Question Number : 51 Question Id : 60348916882 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Index structures are referred to as \_\_\_\_\_ since they provide a path through which data can be located and accessed.

1. Index Search
2. Linear search
3. File scan
4. Access paths

**Options :**

60348963509. 1

60348963510. 2

60348963511. 3

60348963512. 4

**Question Number : 52 Question Id : 60348916883 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In query processing, the \_\_\_\_\_ is the lowest-level operator to access data.

1. Index Search
2. Linear search
3. File scan
4. Access paths

**Options :**

60348963513. 1

60348963514. 2

60348963515. 3

60348963516. 4

**Question Number : 53 Question Id : 60348916884 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is the oldest database model?

1. Relational
2. Deductive
3. Physical
4. Network

**Options :**

60348963517. 1

60348963518. 2

60348963519. 3

60348963520. 4

**Question Number : 54 Question Id : 60348916885 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Copying files to secondary or specific devices is known as \_\_\_\_\_

1. Retrieve
2. Backup
3. Recovery
4. Deadlock

**Options :**

60348963521. 1

60348963522. 2

60348963523. 3

60348963524. 4

**Question Number : 55 Question Id : 60348916886 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

\_\_\_ means that the data used during the execution of a transaction cannot be used by a second transaction until the first one is completed.

1. Consistency
2. Atomicity
3. Durability
4. Isolation

**Options :**

- 60348963525. 1
- 60348963526. 2
- 60348963527. 3
- 60348963528. 4

**Question Number : 56 Question Id : 60348916887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which is the subset of SQL commands used to manipulate Oracle Database Structures, including tables?

1. Data Definition Language
2. Data Manipulation Language
3. Data Described Language
4. Data Retrieval Language

**Options :**

- 60348963529. 1
- 60348963530. 2
- 60348963531. 3
- 60348963532. 4

**Question Number : 57 Question Id : 60348916888 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following are introduced to reduce the overheads caused by the log-based recovery?

1. Checkpoints
2. Indices
3. Deadlocks
4. Locks

**Options :**

60348963533. 1

60348963534. 2

60348963535. 3

60348963536. 4

**Question Number : 58 Question Id : 60348916889 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In the client / server model, the database:

1. Is downloaded to the client upon request
2. Is shared by both the client and server
3. Resides on the client side
4. Resides on the server side

**Options :**

60348963537. 1

60348963538. 2

60348963539. 3

60348963540. 4

**Question Number : 59 Question Id : 60348916890 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A system is in a \_\_\_\_ state if there exists a set of transactions such that every transaction in the set is waiting for another transaction in the set.

1. Idle
2. Waiting
3. Deadlock
4. Ready

**Options :**

- 60348963541. 1
- 60348963542. 2
- 60348963543. 3
- 60348963544. 4

**Question Number : 60 Question Id : 60348916891 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The database is partitioned into fixed-length storage units called

1. Parts
2. Blocks
3. Reads
4. Build

**Options :**

- 60348963545. 1
- 60348963546. 2
- 60348963547. 3
- 60348963548. 4

**Question Number : 61 Question Id : 60348916892 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Choose the correct processing technique for the given statements.

Identify correlation between salary structure and policies sold made by Insurance agents in an organization.

1. OLTP
2. OLAP
3. OLAM
4. OLTP and OLAP

**Options :**

60348963549. 1

60348963550. 2

60348963551. 3

60348963552. 4

**Question Number : 62 Question Id : 60348916893 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which refers to a stalemate situation due to which no further progress is possible as computer awaits response of each other:

1. Concurrency
2. Deadlock
3. Backup
4. Recovery

**Options :**

60348963553. 1

60348963554. 2

60348963555. 3

60348963556. 4

**Question Number : 63 Question Id : 60348916894 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



\_\_\_\_\_ is a combination of two or more attributes used as a primary key

1. Composite Key
2. Alternate Key
3. Candidate Key
4. Foreign Key

**Options :**

60348963557. 1

60348963558. 2

60348963559. 3

60348963560. 4

**Question Number : 64 Question Id : 60348916895 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The deadlock can be handled by

1. Removing the nodes that are deadlocked
2. Restarting the search after releasing the lock
3. Restarting the search without releasing the lock
4. Resuming the search

**Options :**

60348963561. 1

60348963562. 2

60348963563. 3

60348963564. 4

**Question Number : 65 Question Id : 60348916896 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The deadlock state can be changed back to stable state by using \_\_\_\_\_statement.

1. Commit
2. Rollback
3. Savepoint
4. Deadlock

**Options :**

60348963565. 1

60348963566. 2

60348963567. 3

60348963568. 4

**Question Number : 66 Question Id : 60348916897 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is an attribute that can uniquely identify a row in a table?

1. Secondary key
2. Candidate key
3. Foreign key
4. Alternate key

**Options :**

60348963569. 1

60348963570. 2

60348963571. 3

60348963572. 4

**Question Number : 67 Question Id : 60348916898 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Isolation of the transactions is ensured by

1. Transaction management
2. Application programmer
3. Concurrency control
4. Recovery management

**Options :**

60348963573. 1

60348963574. 2

60348963575. 3

60348963576. 4

**Question Number : 68 Question Id : 60348916899 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The phrase "greater than at least one" is represented in SQL by \_\_\_\_\_

1. < all
2. < some
3. > all
4. > some

**Options :**

60348963577. 1

60348963578. 2

60348963579. 3

60348963580. 4

**Question Number : 69 Question Id : 60348916900 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Ranking of queries is done by which of the following?

1. Group by
2. Order by
3. Having
4. Both Group by and Order by

**Options :**

60348963581. 1

60348963582. 2

60348963583. 3

60348963584. 4

**Question Number : 70 Question Id : 60348916901 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The descriptive property possessed by each entity set is \_\_\_\_\_

1. Entity
2. Attribute
3. Relation
4. Model

**Options :**

60348963585. 1

60348963586. 2

60348963587. 3

60348963588. 4

**Question Number : 71 Question Id : 60348916902 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

An entity in A is associated with at most one entity in B, and an entity in B is associated with at most one entity in A. This is called as

1. One-to-many
2. One-to-one
3. Many-to-many
4. Many-to-one

**Options :**

60348963589. 1  
60348963590. 2  
60348963591. 3  
60348963592. 4

**Question Number : 72 Question Id : 60348916903 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Drop Table cannot be used to drop a table referenced by a \_\_\_\_\_ constraint.

1. Local Key
2. Primary Key
3. Composite Key
4. Foreign Key

**Options :**

60348963593. 1  
60348963594. 2  
60348963595. 3  
60348963596. 4

**Question Number : 73 Question Id : 60348916904 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which forms has a relation that possesses data about an individual entity?

1. 2NF
2. 3NF
3. 4NF
4. 5NF

**Options :**

60348963597. 1

60348963598. 2

60348963599. 3

60348963600. 4

**Question Number : 74 Question Id : 60348916905 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The \_\_\_\_\_ is the fastest and most costly form of storage, which is relatively small; its use is managed by the computer system hardware.

1. Cache
2. Disk
3. Main memory
4. Flash memory

**Options :**

60348963601. 1

60348963602. 2

60348963603. 3

60348963604. 4

**Question Number : 75 Question Id : 60348916906 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The RAID level in which mirroring is done along with stripping is

1. RAID 1+0
2. RAID 0
3. RAID 2
4. Both RAID 1+0 and RAID 0

**Options :**

60348963605. 1

60348963606. 2

60348963607. 3

60348963608. 4

**Question Number : 76 Question Id : 60348916907 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

\_\_\_\_\_ is popular for applications such as storage of log files in a database system since it offers the best write performance.

1. RAID level 1
2. RAID level 2
3. RAID level 0
4. RAID level 3

**Options :**

60348963609. 1

60348963610. 2

60348963611. 3

60348963612. 4

**Question Number : 77 Question Id : 60348916908 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Relational schemas and other metadata about relations are stored in a structure called the \_\_\_\_\_

1. Metadata
2. Catalog
3. Log
4. Data Dictionary

**Options :**

60348963613. 1

60348963614. 2

60348963615. 3

60348963616. 4

**Question Number : 78 Question Id : 60348916909 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The purpose of an N-Ary association is:

1. To capture a parent-child relationship
2. To deal with one to many relationships
3. To deal with relationships that involve more than two tables
4. To represent an inheritance relationship

**Options :**

60348963617. 1

60348963618. 2

60348963619. 3

60348963620. 4

**Question Number : 79 Question Id : 60348916910 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



In a \_\_\_\_\_ clustering index, the index record contains the search-key value and a pointer to the first data record with that search-key value and the rest of the records will be in the sequential pointers.

1. Dense
2. Sparse
3. Straight
4. Continuous

**Options :**

- 60348963621. 1
- 60348963622. 2
- 60348963623. 3
- 60348963624. 4

**Question Number : 80 Question Id : 60348916911 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Key value pairs is usually seen in

1. Hash tables
2. Heaps
3. Both Hash tables and Heaps
4. Skip list

**Options :**

- 60348963625. 1
- 60348963626. 2
- 60348963627. 3
- 60348963628. 4

**Question Number : 81 Question Id : 60348916912 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In B+ tree the node which points to another node is called

1. Leaf node
2. External node
3. Final node
4. Internal node

**Options :**

60348963629. 1

60348963630. 2

60348963631. 3

60348963632. 4

**Question Number : 82 Question Id : 60348916913 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Does index take space in the disk?

1. It stores memory as and when required
2. Yes, Indexes are stored on disk
3. Indexes are never stored on disk
4. Indexes take no space

**Options :**

60348963633. 1

60348963634. 2

60348963635. 3

60348963636. 4

**Question Number : 83 Question Id : 60348916914 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The goal of hashing is to produce a search that takes

1.  $O(1)$  time
2.  $O(n^2)$  time
3.  $O(\log n)$  time
4.  $O(n \log n)$  time

**Options :**

60348963637. 1

60348963638. 2

60348963639. 3

60348963640. 4

**Question Number : 84 Question Id : 60348916915 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A \_\_\_\_\_ on the attribute A of relation r consists of one bitmap for each value that A can take.

1. Bitmap index
2. Bitmap
3. Index
4. Array

**Options :**

60348963641. 1

60348963642. 2

60348963643. 3

60348963644. 4

**Question Number : 85 Question Id : 60348916916 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The searching technique that takes  $O(1)$  time to find a data is

1. Linear Search
2. Binary Search
3. Hashing
4. Tree Search

**Options :**

60348963645. 1

60348963646. 2

60348963647. 3

60348963648. 4

**Question Number : 86 Question Id : 60348916917 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In a B+ tree index \_\_\_\_\_ for each value, we would normally maintain a list of all records with that value for the indexed attribute.

1. Leaf
2. Node
3. Root
4. Link

**Options :**

60348963649. 1

60348963650. 2

60348963651. 3

60348963652. 4

**Question Number : 87 Question Id : 60348916918 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A \_\_\_\_\_ index is the one which satisfies all the columns requested in the query without performing further lookup into the clustered index.

1. Clustered
2. Non Clustered
3. Covering
4. B-Tree

**Options :**

60348963653. 1

60348963654. 2

60348963655. 3

60348963656. 4

**Question Number : 88 Question Id : 60348916919 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Search algorithms that use an index are referred to as

1. Index Search
2. Linear search
3. File scan
4. Access paths

**Options :**

60348963657. 1

60348963658. 2

60348963659. 3

60348963660. 4

**Question Number : 89 Question Id : 60348916920 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A huge collection of information or data accumulated from several different sources is known as \_\_\_\_\_.

1. Data Management
2. Data Mining
3. Data Warehouse
4. Data Mining & Data Warehouse

**Options :**

60348963661. 1

60348963662. 2

60348963663. 3

60348963664. 4

**Question Number : 90 Question Id : 60348916921 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which one of the following refers to the copies of the same data (or information) occupying the memory spaces at multiple places.

1. Data Repository
2. Data Inconsistency
3. Data Mining
4. Data Redundancy

**Options :**

60348963665. 1

60348963666. 2

60348963667. 3

60348963668. 4

**Question Number : 91 Question Id : 60348916922 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

\_\_\_\_\_ means that data used during the execution of a transaction cannot be used by a second transaction until the first one is completed.

1. Serializability
2. Atomicity
3. Isolation
4. Time stamping

**Options :**

60348963669. 1

60348963670. 2

60348963671. 3

60348963672. 4

**Question Number : 92 Question Id : 60348916923 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The \_\_\_ lock allows concurrent transactions to access the same row as long as they require the use of different fields within that row.

1. Table-level
2. Page-level
3. Row-level
4. Field-level

**Options :**

60348963673. 1

60348963674. 2

60348963675. 3

60348963676. 4

**Question Number : 93 Question Id : 60348916924 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is used for undo operations alone?

1. Logical logging
2. Physical logging
3. Physical log records
4. Physical logging and Physical log records

**Options :**

60348963677. 1

60348963678. 2

60348963679. 3

60348963680. 4

**Question Number : 94 Question Id : 60348916925 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which is the process of breaking a relation into multiple relations:

1. Functional dependency
2. Database modeling
3. Normalization
4. Decomposition

**Options :**

60348963681. 1

60348963682. 2

60348963683. 3

60348963684. 4

**Question Number : 95 Question Id : 60348916926 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



A transaction can do only read operation and not write operation on a data item when it acquires \_\_\_\_\_ lock

1. read mode
2. exclusive mode
3. shared mode
4. write mode

**Options :**

60348963685. 1

60348963686. 2

60348963687. 3

60348963688. 4

**Question Number : 96 Question Id : 60348916927 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Assume transaction A holds a shared lock R. If transaction B also requests for a shared lock on R.

1. It will result in a deadlock situation
2. It will immediately be rejected
3. It will immediately be granted
4. It will be granted as soon as it is released by A

**Options :**

60348963689. 1

60348963690. 2

60348963691. 3

60348963692. 4

**Question Number : 97 Question Id : 60348916928 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A transaction that completes its execution successfully is said to be \_\_\_\_\_

1. Committed
2. Rolled back
3. Partially committed
4. Aborted

**Options :**

60348963693. 1

60348963694. 2

60348963695. 3

60348963696. 4

**Question Number : 98 Question Id : 60348916929 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

SQL can be used to:

1. Create database structures only
2. Query database data only
3. Modify database data only
4. All of the mentioned

**Options :**

60348963697. 1

60348963698. 2

60348963699. 3

60348963700. 4

**Question Number : 99 Question Id : 60348916930 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The total ordering of operations across groups ensures \_\_\_\_\_ of transactions

1. Serializability
2. Synchronizability
3. Atomicity
4. Durability

**Options :**

60348963701. 1

60348963702. 2

60348963703. 3

60348963704. 4

**Question Number : 100 Question Id : 60348916931 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is not a property of transactions?

1. Atomicity
2. Concurrency
3. Isolation
4. Durability

**Options :**

60348963705. 1

60348963706. 2

60348963707. 3

60348963708. 4