

# National Testing Agency

**Question Paper Name:** Database Management System 09th November 2019 Shift 2  
**Subject Name:** Database Management System  
**Creation Date:** 2019-11-09 18:01:07  
**Duration:** 180  
**Total Marks:** 100  
**Display Marks:** Yes

## Database Management System

**Group Number :** 1  
**Group Id :** 709597274  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 120  
**Revisit allowed for view? :** No  
**Revisit allowed for edit? :** No  
**Break time:** 0  
**Group Marks:** 100

## Database Management System

**Section Id :** 709597351  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional:** Mandatory  
**Number of Questions:** 100  
**Number of Questions to be attempted:** 100  
**Section Marks:** 100  
**Display Number Panel:** Yes  
**Group All Questions:** No

**Sub-Section Number:** 1  
**Sub-Section Id:** 709597448  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 70959724931 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following is related to information

- a) data
- b) communication
- c) knowledge
- d) all of these

**Question Number : 2 Question Id : 70959724932 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following is element of the database

- a) data
- b) constraints and schema
- c) relationships
- d) all of these

Question Number : 3 Question Id : 70959724933 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is an advantage of using database system

- a) security enforcement
- b) avoidance of redundancy
- c) reduced inconsistency
- d) all of these

Question Number : 4 Question Id : 70959724934 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) data dictionary
- b) metadata
- c) table
- d) none of the above

Question Number : 5 Question Id : 70959724935 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What separates the physical aspects of data storage from the logical aspects

- a) data
- b) schema
- c) constraints
- d) relationships

Question Number : 6 Question Id : 70959724936 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following schemas defines the stored datastructure in terms of database model

- a)external
- b)internal
- c) conceptual
- d)none of these

Question Number : 7 Question Id : 70959724937 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An object oriented DBMS is capable of holding

- a) data and text
- b) pictures and images
- c) voice and video
- d)all of the above

Question Number : 8 Question Id : 70959724938 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A file contains the following that is needed for information processing

- a)knowledge
- b)instructions
- c) data
- d)none of these

Question Number : 9 Question Id : 70959724939 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following stores data that is permanent

- a) transaction file
- b) report file
- c) master file
- d)none of these

Question Number : 10 Question Id : 70959724940 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following keys in table can uniquely identify a row in table

- a) primary key
- b) alternative key
- c) candidate key
- d) all of these

Question Number : 11 Question Id : 70959724941 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is RDBMS terminology for a column

- a) tuple
- b) relation
- c) attribute
- d) domain

Question Number : 12 Question Id : 70959724942 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is RDBMS for no of tuples in a relation

- a) degree
- b) relation
- c) attribute
- d) cardinality

Question Number : 13 Question Id : 70959724943 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following statements is used to modify table

- a) modify/table
- b) update/table
- c) alter table
- d) all of these

Question Number : 14 Question Id : 70959724944 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Drop operation of SQL is for:

- a) deleting tables from schema
- b) changing definition of table
- c) both of these
- d) none of these

Question Number : 15 Question Id : 70959724945 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Select operation from SQL is :

- a) data query language
- b) data definition language
- c) data manipulation language
- d) data control language

Question Number : 16 Question Id : 70959724946 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Grant command of SQL is:

- b) data definition language
- b) data definition language
- c) data manipulation language
- d) data control language

Question Number : 17 Question Id : 70959724947 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The association between two entities is called

- a) binary relation
- b) ternary relation
- c) recursive relation
- d) none of these

Question Number : 18 Question Id : 70959724948 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



A relationship between the instances of single entity type is called

- a) binary relationship
- b) ternary relationship
- c) recursive relationship
- d) none of these

Question Number : 19 Question Id : 70959724949 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

EER stands for

- a) extended E-R
- b) effective E-R
- c) expanded E-R
- d) enhanced E-R

Question Number : 20 Question Id : 70959724950 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

SDLC stands for

- a) software development lifecycle
- b) software design lifecycle
- c) scientific design of linear characteristics
- d) structured distributed lifecycle

Question Number : 21 Question Id : 70959724951 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Logical database design is process of

- a) deriving physical structure of database
- b) creating conceptual and external schema for high level
- c) analyzing overall data requirements
- d) none

Question Number : 22 Question Id : 70959724952 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Conceptual database is the design of:

- a) deriving physical structure of database
- b) creating conceptual and external schema for high level
- c) analyzing overall data requirements
- d) none

Question Number : 23 Question Id : 70959724953 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The set of attributes x will be fully functionally dependent on set of attributes y if :

- a) x is functionally dependent on y
- b) x is not functionally dependent on y
- c) both a & b
- d) none

Question Number : 24 Question Id : 70959724954 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Normalisation process was developed by

- a) E.F.CODD
- b) R.F.BOYCE
- c) R.FAGIN
- d) COLLIN WHITE

Question Number : 25 Question Id : 70959724955 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In 1NF

- a) all domains are simple
- b) in simple domain all elements are atomic
- c) both a & b
- d) none

Question Number : 26 Question Id : 70959724956 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A relation R in 3NF if

- a) RELATION R is in 2NF
- b) non prime attribute are mutually independent
- c) functionally dependent on prime key
- d) all of these

Question Number : 27 Question Id : 70959724957 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Key
- b) Dependent
- c) Determinant
- d) Relation

Question Number : 28 Question Id : 70959724958 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The union operation is represented by

- a)  $\cap$
- b)  $\cup$
- c)  $-$
- d)  $*$

Question Number : 29 Question Id : 70959724959 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of attributes in relation is called as its

- a) Cardinality
- b) Degree
- c) Tuples
- d) Entity

Question Number : 30 Question Id : 70959724960 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The primary key must be

- a) Unique
- b) Not null
- c) Both Unique and Not null
- d) Either Unique or Not null

Question Number : 31 Question Id : 70959724961 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



A Boolean data type that can take values true, false, and \_\_\_\_\_

- a) 1
- b) 0
- c) Null
- d) Unknown

Question Number : 32 Question Id : 70959724962 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Group by
- b) With
- c) Where
- d) Having

Question Number : 33 Question Id : 70959724963 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not an aggregate function?

- a) Avg
- b) Sum
- c) With
- d) Min

Question Number : 34 Question Id : 70959724964 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the join operations do not preserve non matched tuples?

- a) Left outer join
- b) Right outer join
- c) Inner join
- d) Natural join

Question Number : 35 Question Id : 70959724965 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In SQL the statement select \* from R, S is equivalent to

- a) Select \* from R natural join S
- b) Select \* from R cross join S
- c) Select \* from R union join S
- d) Select \* from R inner join S

Question Number : 36 Question Id : 70959724966 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Can be
- b) Cannot be
- c) Ought to be
- d) Always

Question Number : 37 Question Id : 70959724967 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Relational Algebra is a \_\_\_\_\_ query language that takes two relations as input and produces another relation as an output of the query.

- a) Relational
- b) Structural
- c) Procedural
- d) Fundamental

Question Number : 38 Question Id : 70959724968 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which is a join condition contains an equality operator:

- a) Equijoins
- b) Cartesian
- c) Natural
- d) Left

Question Number : 39 Question Id : 70959724969 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The assignment operator is denoted by

- a) ->
- b) <-
- c) =
- d) ==

Question Number : 40 Question Id : 70959724970 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Entity is a \_\_\_\_\_

- a) Object of relation
- b) Present working model
- c) Thing in real world
- d) Model of relation

Question Number : 41 Question Id : 70959724971 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In a relation between the entities the type and condition of the relation should be specified. That is called as \_\_\_\_\_ attribute.

- a) Descriptive
- b) Derived
- c) Recursive
- d) Relative

Question Number : 42 Question Id : 70959724972 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Entity Integrity Constraints
- b) Referential Integrity Constraints
- c) Domain Integrity Constraints
- d) Domain Constraints

Question Number : 43 Question Id : 70959724973 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The entity relationship set is represented in E-R diagram as

- a) Double diamonds
- b) Undivided rectangles
- c) Dashed lines
- d) Diamond

Question Number : 44 Question Id : 70959724974 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Weak entity set is represented as

- a) Underline
- b) Double line
- c) Double diamond
- d) Double rectangle

Question Number : 45 Question Id : 70959724975 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not Armstrong's Axiom?

- a) Reflexivity rule
- b) Transitivity rule
- c) Pseudotransitivity rule
- d) Augmentation rule

Question Number : 46 Question Id : 70959724976 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In 2NF

- a) No functional dependencies (FDs) exist
- b) No multivalued dependencies (MVDs) exist
- c) No partial FDs exist
- d) No partial MVDs exist

Question Number : 47 Question Id : 70959724977 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the best way to represent the attributes in a large database?

- a) Relational-and
- b) Concatenation
- c) Dot representation
- d) All of the mentioned



Question Number : 48 Question Id : 70959724978 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The primary medium for the long-term online storage of data is the \_\_\_\_\_ where the entire database is stored on magnetic disk.

- a) Semiconductor memory
- b) Magnetic disks
- c) Compact disks
- d) Magnetic tapes

Question Number : 49 Question Id : 70959724979 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

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.

- a) Access time
- b) Average seek time
- c) Seek time
- d) Rotational latency time

Question Number : 50 Question Id : 70959724980 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following is a Stripping technique?

- a) Byte level stripping
- b) Raid level stripping
- c) Disk level stripping
- d) Block level stripping

Question Number : 51 Question Id : 70959724981 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Operating system is responsible for

- a) disk initialization
- b) booting from disk
- c) bad-block recovery
- d) all of the mentioned

Question Number : 52 Question Id : 70959724982 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

During recovery from a failure

- a) each pair of physical block is examined
- b) specified pair of physical block is examined
- c) first pair of physical block is examined
- d) none of the mentioned

Question Number : 53 Question Id : 70959724983 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A top-to-bottom relationship among the items in a database is established by a

- a) Hierarchical schema
- b) Network schema
- c) Relational schema
- d) All of the mentioned

Question Number : 54 Question Id : 70959724984 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Fields
- b) Records
- c) Database
- d) Sectors

Question Number : 55 Question Id : 70959724985 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A relational database system needs to maintain data about the relations, such as the schema of the relations. This is called

- a) Metadata
- b) Catalog
- c) Log
- d) Dictionary

Question Number : 56 Question Id : 70959724986 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In ordered indices the file containing the records is sequentially ordered, a \_\_\_\_\_ is an index whose search key also defines the sequential order of the file.

- a) Clustered index
- b) Structured index
- c) Unstructured index
- d) Nonclustered index

Question Number : 57 Question Id : 70959724987 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Simple
- b) Composite
- c) Compound
- d) Secondary

Question Number : 58 Question Id : 70959724988 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



A technique for direct search is

- a) Binary Search
- b) Linear Search
- c) Tree Search
- d) Hashing

Question Number : 59 Question Id : 70959724989 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Key value pairs is usually seen in

- a) Hash tables
- b) Heaps
- c) Both Hash tables and Heaps
- d) Skip list

Question Number : 60 Question Id : 70959724990 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Identifier
- b) Index
- c) Primary key
- d) Symmetric key

Question Number : 61 Question Id : 70959724991 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the client / server model, the database:

- a) Is downloaded to the client upon request
- b) Is shared by both the client and server
- c) Resides on the client side
- d) Resides on the server side

Question Number : 62 Question Id : 70959724992 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bitmap indices are a specialized type of index designed for easy querying on

- a) Bit values
- b) Binary digits
- c) Multiple keys
- d) Single keys

Question Number : 63 Question Id : 70959724993 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Tablespace
- b) Segments
- c) Extents
- d) Blocks

Question Number : 64 Question Id : 70959724994 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one is true about clustered index?

- a) Clustered index is not associated with table
- b) Clustered index is built by default on unique key columns
- c) Clustered index is not built on unique key columns
- d) None of the mentioned

Question Number : 65 Question Id : 70959724995 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Internal schema
- b) Conceptual schema
- c) Physical schema
- d) External schema

Question Number : 66 Question Id : 70959724996 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Data security
- b) Data constraint
- c) Data independence
- d) Data integrity

Question Number : 67 Question Id : 70959724997 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

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.

- a) Index Search
- b) Linear search
- c) File scan
- d) Access paths

Question Number : 68 Question Id : 70959724998 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

\_\_\_\_\_ is a procedural extension of Oracle – SQL that offers language constructs similar to those in imperative programming languages.

- a) SQL
- b) PL/SQL
- c) Advanced SQL
- d) PQL

Question Number : 69 Question Id : 70959724999 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In \_\_\_\_\_ of Oracle, the database administrator creates a user account in the database for each user who needs access.

- a) Database Authentication
- b) Operating System Authentication
- c) Internal Authentication
- d) External Authentication

Question Number : 70 Question Id : 70959725000 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following has "all-or-none" property?

- a) Atomicity
- b) Durability
- c) Isolation
- d) All of the mentioned

Question Number : 71 Question Id : 70959725001 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

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.

- a) Consistency
- b) Atomicity
- c) Durability
- d) Isolation

Question Number : 72 Question Id : 70959725002 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Data Definition Language
- b) Data Manipulation Language
- c) Data Described Language
- d) Data Retrieval Language

Question Number : 73 Question Id : 70959725003 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A transaction may not always complete its execution successfully. Such a transaction is termed

- a) Aborted
- b) Terminated
- c) Closed
- d) All of the mentioned

Question Number : 74 Question Id : 70959725004 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0



Storage devices like tertiary storage, magnetic disk comes under

- a) Volatile storage
- b) Non-volatile storage
- c) Stable storage
- d) Dynamic storage

**Question Number : 75 Question Id : 70959725005 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

SDL means \_\_\_\_\_

- a) Storage Discrete Language
- b) Storage Definition Language
- c) Storage Definition Localisation
- d) Storage Discrete Localisation

**Question Number : 76 Question Id : 70959725006 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

In order to maintain transactional integrity and database consistency, what technology does

a DBMS deploy?

- a) Triggers
- b) Pointers
- c) Locks
- d) Cursors

**Question Number : 77 Question Id : 70959725007 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

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

- a) Checkpoints
- b) Indices
- c) Deadlocks
- d) Locks

**Question Number : 78 Question Id : 70959725008 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

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

Which refers to a property of computer to run several operation simultaneously and possible as computers await response of each other

- a) Concurrency
- b) Deadlock
- c) Backup
- d) Recovery

**Question Number : 79 Question Id : 70959725009 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**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.

- a) Idle
- b) Waiting
- c) Deadlock
- d) Ready

Question Number : 80 Question Id : 70959725010 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The deadlock in a set of a transaction can be determined by

- a) Read-only graph
- b) Wait graph
- c) Wait-for graph
- d) All of the mentioned

Question Number : 81 Question Id : 70959725011 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A deadlock exists in the system if and only if the wait-for graph contains a \_\_\_\_\_

- a) Cycle
- b) Direction
- c) Bi-direction
- d) Rotation

Question Number : 82 Question Id : 70959725012 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Why do we need concurrency control on B+ trees ?

- a) To remove the unwanted data
- b) To easily add the index elements
- c) To maintain accuracy of index
- d) All of the mentioned

Question Number : 83 Question Id : 70959725013 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following belongs to transaction failure

- a) Read error
- b) Boot error
- c) Logical error
- d) All of the mentioned

Question Number : 84 Question Id : 70959725014 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The database is partitioned into fixed-length storage units called

- a) Parts
- b) Blocks
- c) Reads
- d) Build



Question Number : 85 Question Id : 70959725015 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The \_\_\_\_\_ contains a list of blocks that have been updated in the database buffer.

- a) Latches
- b) Swap Space
- c) Dirty Block
- d) None of the mentioned

Question Number : 86 Question Id : 70959725016 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The ALU of a computer normally contains a number of high speed storage element called

- a) Semiconductor memory
- b) Registers
- c) Hard disks
- d) Magnetic disk

Question Number : 87 Question Id : 70959725017 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An operation is said to be \_\_\_\_\_ if executing it several times in a row gives the same result as executing it once.

- a) Idempotent
- b) Changed
- c) Repetitive
- d) All of the above

Question Number : 88 Question Id : 70959725018 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For correct behaviour during recovery, undo and redo operation must be

- a) Commutative
- b) Associative
- c) Idempotent
- d) Distributive

Question Number : 89 Question Id : 70959725019 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

E.F.Codd developed the normalization process in the which early:

- a) 1969
- b) 1970
- c) 1971
- d) 1972

Question Number : 90 Question Id : 70959725020 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which formal method that locates and analyses relation schemas on the basis of their primary, candidate keys, and the FD's that are present among the attributes of these schemas:

- a) Functional dependency
- b) Database modeling
- c) Normalization
- d) Decomposition

Question Number : 91 Question Id : 70959725021 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Concurrency
- b) Deadlock
- c) Backup
- d) Recovery

Question Number : 92 Question Id : 70959725022 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which server can join the indexes when only multiple indexes combined can cover the query:

- a) SQL
- b) DBMS
- c) RDBMS
- d) All of the mentioned

Question Number : 93 Question Id : 70959725023 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Composite Key
- b) Alternate Key
- c) Candidate Key
- d) Foreign Key

Question Number : 94 Question Id : 70959725024 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

\_\_\_\_\_ allows individual row operation to be performed on a given result set or on the generated by a selected by a selected statement.

- a) Procedure
- b) Trigger
- c) Curser
- d) None of the Mentioned

Question Number : 95 Question Id : 70959725025 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The operating system reserves space on disk for storing virtual-memory pages that are not currently in main memory; this space is called

- a) Latches
- b) Swap Space
- c) Dirty Block
- d) None of the mentioned

Question Number : 96 Question Id : 70959725026 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The deadlock can be handled by

- a) Removing the nodes that are deadlocked
- b) Restarting the search after releasing the lock
- c) Restarting the search without releasing the lock
- d) Resuming the search

Question Number : 97 Question Id : 70959725027 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

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

- a) Commit
- b) Rollback
- c) Savepoint
- d) Deadlock

Question Number : 98 Question Id : 70959725028 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Isolation of the transactions is ensured by

- a) Transaction management
- b) Application programmer
- c) Concurrency control
- d) Recovery management

Question Number : 99 Question Id : 70959725029 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When SQL statements are embedded inside 3GL, we call such a program as

- a) Nested query
- b) Nested programming
- c) Distinct query
- d) Embedded SQL

Question Number : 100 Question Id : 70959725030 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the different events in Triggers?

- a) Define, Create
- b) Drop, Comment
- c) Insert, Update, Delete
- d) Select, Commit