

Virtual University PLHR55

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WhatsApp Group Link

<https://chat.whatsapp.com/DDbUe21PMS3FSaBjUABrx5>

#StudyUpdates #StayInformed

Regards,

Team PLHR55

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Controlling Redundancy in Databases DOES NOT help to

Answer (Please select your correct option)

- Avoid data duplication
- Avoid unnecessary wastage of storage space
- Avoid unauthorized access to data
- Avoid data inconsistency

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is created by "Database Management System" for its usage?

Answer (Please select your correct option)

Integrated Data Dictionary

Free Standing Data Dictionary

Cross Reference Matrix

Weak Entity

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following types of partitioning reduces the chances of unbalanced partitions?

Answer (Please select your correct option)

Vertical

List

Hash

Range

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

SQL is an _____ standard computer language

Answer (Please select your correct option)

- ANSI
- General
- Cold fusion
- Interactive

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4 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is a correct way of selecting all the columns from a table called PERSONS?

Answer (Please select your correct option)

SELECT FROM * Persons

SELECT * FROM Persons

SELECT * WHERE Persons

SELECT WHERE * Persons

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is used to add or drop columns in an existing table?

Answer (Please select your correct option)

ALTER

HAVING

SELECT

THEN

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following gives all the fields from employee table named as EMP?

Answer (Please select your correct option)

select * from EMP

select emp* from EMP

select emp_id where EMP

select * where EMP

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

DML commands are used for:

Answer (Please select your correct option)

- inserting data into databases
- creating databases
- destroying databases
- creating DB objects

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not an operation of relational algebra?

Answer (Please select your correct option)

- Union
- Reminder
- Cartesian Product
- Set Difference

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a DDL Command?

Answer (Please select your correct option)

Create table

Alter table

Insert into

Create database

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following stores the Textual Data?

Answer (Please select your correct option)

- Tinyint
- Smallint
- Biggint
- Varchar

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11
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following commands is used to drop the table named STUDENT?

Answer (Please select your correct option)

- DROP TABLE STUDENT
- TABLE STUDENT DROP
- TABLE DROP STUDENT
- STUDENT TABLE DROP

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12
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the command to remove a record from the table.

Answer (Please select your correct option)

- DROP
- INSERT
- UPDATE
- DELETE

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13
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Procedure of finding the size of Cartesian Product is _____

Answer (Please select your correct option)

- the number of columns in the first table multiplied by the number of columns in the second table.
- the number of columns in the first table multiplied by the number of rows in the second table.
- the number of rows in the first table multiplied by the number of columns in the first table.
- the number of rows in the first table multiplied by the number of rows in the second table.

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14
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose there are 7 rows and 6 columns in TABLE1 and 5 rows and 3 columns in TABLE2; what is the size of the Cartesian product incase of CROSS JOIN between these two tables?

Answer (Please select your correct option)

- 35
- 21
- 30
- 18

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15
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT a feature of a good interface?

Answer (Please select your correct option)

- data structure based
- user friendly
- consistency
- process based

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not related with Browser based forms development?

Answer (Please select your correct option)

- HTML
- ASP
- Front Page
- Dev C

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is an example of non-volatile memory.

Answer (Please select your correct option)

- SRAM
- Cache Memory
- Flash memory
- DRAM

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not a feature of hash access.

Answer (Please select your correct option)

- indexes to search or maintain
- Very fast direct access
- Inefficient sequential access
- Use when direct access is needed, but sequential access is not

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

What is the impact of setting multiple indexes for the same key?

Answer (Please select your correct option)

- Multiple indexes for the same key can not be set
- It increases efficiency
- It decreases efficiency
- It will increase complexity as the access time will be increased

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20
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is incorrect regarding Indexes?

Answer (Please select your correct option)

- It can not be created on composite attributes.
- Index can be defined even when there is no data in the table.
- It support Range selections.
- It can be created using 'Create Index' statement.

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21 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is true regarding Index?

Answer (Please select your correct option)

- Index can only be created for a single table in database
- Index can maximum be created for two tables in database
- Index can only be created, when a database has at least 3 tables
- Index can be created for every table in the database

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22
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is true about the views?

Answer (Please select your correct option)

- View can only show few attributes of a table
- View can not be used for retrieving data
- View can not be used as security mechanisms
- We can customize the order of the table fields through Views

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23
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT CORRECT Regarding VIEWS?

Answer (Please select your correct option)

VIEWS can be used to interact with the database.

Through VIEWS users can focus on their interested data.

VIEW can show one or more records from a database.

VIEW cannot be updated

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24 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following command shows all the columns from "PRODUCT-VIEW?"

Answer (Please select your correct option)

- SELECT * FROM PRODUCT-VIEW
- SELECT PRODUCT-VIEW
- SHOW ALL PRODUCT-VIEW
- PRODUCT-VIEW SELECT

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25
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

To access a file ABC, sequential file access involves too much _____ as compared to direct file access.

Answer (Please select your correct option)

Time, Space and number of files

Number of Files

Space

Time

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of following is INCORRECT about "Materialized Views"?

Answer (Please select your correct option)

- These are suitable in "Data Warehouses".
- These are schema objects which can be use to summaries the data.
- They can not be partitioned.
- Their existence is transparent to SQL applications and users.

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27 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not the property of Transaction?

Answer (Please select your correct option)

Atomicity

Consistency

Redundancy

Durability

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a feature of "Database Transaction"?

Answer (Please select your correct option)

- Users should be able to regard the execution of each transaction as atomic.
- It must follow the ACID properties.
- Either all actions of a Transaction are carried out or none are.
- Transaction always affects the every other concurrent transaction.

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29 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Dead Lock can be prevented by giving each transaction a _____.

Answer (Please select your correct option)

- Priority
- Name
- Clustered Index
- Cartesian Join

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30 MADE BY WAQAR SIDDHU

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BC110401019 (SANIYA MUZAFFAR)

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to detect the dead lock.

Answer (Please select your correct option)

- Wait-for graph
- Cross Reference Matrix
- Inner Join
- Clustered Index

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31 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into _____ from disk, and then its value is copied into a program variable.

Answer (Please select your correct option)

Main Memory

Flash Memory

SATA Hard Disk

Solid State Hard Disk

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32
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

After execution of "commit" statement, _____ is updated first.

Answer (Please select your correct option)

Database Buffer

Clustered-Index

Non-Clustered Index

Application Program

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

A Student has five courses at max registered in a semester and there are many students as well in a course. Student and Course entities have _____ cardinality.

Answer (Please select your correct option)

One to One

One to Many

Many to One

Many to Many

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34 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following feature allows many users to use a DBMS at the same time?

Answer (Please select your correct option)

- Robustness
- Concurrency
- Scalability
- Efficiency

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35 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Major drawback of Traditional File Processing System is

Answer (Please select your correct option)

Sharing of data

Congestion Control

Data Inconsistency

Concurrency

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

Data is also called

Answer (Please select your correct option)

- Organized facts
- Raw facts
- Information
- Processed facts

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37
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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

A DBMS which performs all necessary actions associated to a database, is a collection of

Answer (Please select your correct option)

- Steps
- Programs
- Files
- Processes

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38
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Minimal Super Key can also be named as

Answer (Please select your correct option)

- Candidate key
- Alternate key
- Foreign key
- Secondary key

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39 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Basic building block of Relational Data Model is

Answer (Please select your correct option)

- Manipulation Language
- Row
- Table
- Cartesian product

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40 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

List down two different classifications of indexes.

Answer (Please [click here](#) to Add Answer)

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

State two problems that can come up as a result of Inconsistent Database?

Answer (Please [click here](#) to Add Answer)

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Discuss the purpose of SELECT clause in SQL query.

Answer (Please [click here](#) to Add Answer)

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43

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

How a VIEW can be used for security purpose?

Answer (Please [click here](#) to Add Answer)

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44

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Suppose, we have an ERD having two entities, Voter and Ballot paper. There is one to one relationship between these two entities.

Voter Entity has attributes as;

Voter-CNIC, Voter-name

Ballot Paper Entity has attributes as;

Answer (Please [click here](#) to Add Answer)

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.
Text based interfaces require more relations / tables in database as compared to Graphical user interface.

Answer (Please [click here](#) to Add Answer)

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Create a simple index, named "PersonIndex", on the CNIC field of the PERSON table.

Answer (Please [click here](#) to Add Answer)

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Give an Example of Dead Lock.

Answer (Please [click here](#) to Add Answer)

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48

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Student (STU_ID, STU_NAME, FATHER_NAME, ADDRESS, CITY, PHONE_NO)

Write a SQL query on student table to get record of all students which belongs to City Lahore or Islamabad and Student Name start from alphabet A.

Answer (Please [click here](#) to Add Answer)

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49

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Create a view named 'Student-List' on STUDENT table which will show STU_ID and STU_NAME of those students, who belongs to Lahore.

STUDENT (STU_ID, STU_NAME, FATHER_NAME, ADDRESS, CITY, PHONE_NO)

Answer (Please [click here](#) to Add Answer)

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50

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Analyze the statements given below and identify each statement as correct or incorrect. Justify your answer in either case.

- 0. "Durability" ensures that committed changes in the database can be lost due to any failure.
- 1. Transaction is a dividable unit of work and execution of half transaction must be performed to preserve the data integrity.

Answer (Please [click here](#) to Add Answer)

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51

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CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Map each option of Column1 with appropriate option in Column2

Column 1	Column 2
1: Strong entity	A: Successful candidate key

Answer (Please [click here](#) to Add Answer)

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401019 (SANIYA MUZAFFAR)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

2: Primary key	B: May or may not return unique instance
2: Secondary key	C: Dependent existence
3: Weak entity	D: Independent existence

Answer (Please [click here](#) to Add Answer)

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52

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the incorrect statement among the given.

Answer (Please select your correct option)

An entity may be an object with a physical existence like a car.

Age can be considered as a single value attribute of a person.

The attribute Date_of_birth can be considered as a derived attribute.

Skill is a multivalued attribute.

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

A super key for which no subset is a super key is called _____.

Answer (Please select your correct option)

- candidate key
- primary key
- superkey
- secondary key

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to manage the Database and its Users.

Answer (Please select your correct option)

- DBMS
- File Processing System
- DFD
- Cross Reference Matrix

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

In which of the following situations, Clustering is suitable:

Answer (Please select your correct option)

- Frequently updating
- Relatively static
- Frequently deletion
- Relatively dynamic

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4 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYABA ASLAM)

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to read, write, and remove the data from a database

Answer (Please select your correct option)

- SQL
- ERD
- ANSI
- Data Model

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYABA ASLAM)

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is used to add or drop columns in an existing table?

Answer (Please select your correct option)

ALTER

HAVING

SELECT

THEN

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following gives all the fields from employee table named as EMP?

Answer (Please select your correct option)

select * from EMP

select emp* from EMP

select emp_id where EMP

select * where EMP

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL keywords is not used with DDL statements?

Answer (Please select your correct option)

- Table
- Update
- Create
- Alter

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8
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

If W, X, Y and Z are attributes of a relation, which of the following inference rules for functional dependencies is correct?

Answer (Please select your correct option)

If $(X, Z) \rightarrow Y$ then $X \rightarrow Y$ and $Z \rightarrow Y$

If $X \rightarrow Y$ and $X \rightarrow Z$ then $X \rightarrow Y, Z$

If $X \supseteq Y$ then $Y \rightarrow X$

If $X \rightarrow Y$ then $X, Z \rightarrow Y, W$

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CS403 Database Management Systems

BC110401020 (TAYABA ASLAM)

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Hash Partitioning is applied on _____.

Answer (Please select your correct option)

- Rows
- Columns
- Constraints
- Attributes

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10 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a DDL Command?

Answer (Please select your correct option)

Create table

Alter table

Insert into

Create database

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11 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following stores the Textual Data?

Answer (Please select your correct option)

- Tinyint
- Smallint
- Biggint
- Varchar

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12 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following commands is used to TRUNCATE the table named STUDENT?

Answer (Please select your correct option)

- TRUNCATE TABLE STUDENT
- TABLE TRUNCATE STUDENT
- TABLE STUDENT TRUNCATE
- STUDENT TABLE TRUNCATE

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13
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct syntax for SELECT statement?

Answer (Please select your correct option)

SELECT column_name(s) FROM table_name

SELECT FROM table_name column_name(s)

FROM SELECT column_name(s) table_name

FROM table_name SELECT column_name(s)

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14

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following specifies the tables, which we access in the query?

Answer (Please select your correct option)

- SELECT Clause
- FROM Clause
- WHERE Clause
- ORDER BY Clause

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15 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT a feature of a good interface?

Answer (Please select your correct option)

- data structure based
- user friendly
- consistency
- process based

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16
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a feature of effective interface?

Answer (Please select your correct option)

- Effective interfaces can require more work to implement
- An effective user interface minimizes the time users require to learn and implement the system
- It helps users to accomplish their tasks and otherwise gets out of the way
- An effective interface imposes its requirements on users

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17
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not related with Browser based forms development?

Answer (Please select your correct option)

- HTML
- ASP
- Front Page
- Dev C

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CS403 Database Management Systems

BC110401020 (TAYABA ASLAM)

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not a form of optical disk.

Answer (Please select your correct option)

- CD ROM
- DVD ROM
- Erasable Optical Media
- EEPROM

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19 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is an example of volatile memory.

Answer (Please select your correct option)

- RAM
- ROM
- Flash memory
- CPU

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20
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not a feature of hash access.

Answer (Please select your correct option)

- indexes to search or maintain
- Very fast direct access
- Inefficient sequential access
- Use when direct access is needed, but sequential access is not

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21 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct way of removing the Index called branchNoIndex?

Answer (Please select your correct option)

- DROP INDEX branchNoIndex;
- APPEND INDEX branchNoIndex;
- REMOVE INDEX branchNoIndex;
- DEL INDEX branchNoIndex;

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22
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

CLUSTERED Index is created automatically, when we create _____

Answer (Please select your correct option)

- ERD
- Database
- Cross Reference Matrix
- Primary Key

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23
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Command will DROP a view named "STUDENT"

Answer (Please select your correct option)

- DROP VIEW STUDENT
- DROP FROM STUDENT VIEW
- DELETE STUDENT FROM VIEW
- DELETE ALL STUDENT VIEW

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24 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of VIEWS?

Answer (Please select your correct option)

- Materialized View
- Simple Views
- Complex View
- Cross Reference View

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25 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYABA ASLAM)

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following command shows all the columns from "PRODUCT-VIEW?"

Answer (Please select your correct option)

- SELECT * FROM PRODUCT-VIEW
- SELECT PRODUCT-VIEW
- SHOW ALL PRODUCT-VIEW
- PRODUCT-VIEW SELECT

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26
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CS403 Database Management Systems

BC110401020 (TAYABA ASLAM)

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ must identify a record in the table, uniquely.

Answer (Please select your correct option)

- Hash Algorithm
- Key
- SQL Statement
- Index

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27
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

A perfect hash function map a key to distinct location having search time _____.

Answer (Please select your correct option)

- $O(1)$
- $O(n)$
- $O(n+1)$
- $O(n-1)$

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28
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of following is INCORRECT about "Materialized Views"?

Answer (Please select your correct option)

- These are suitable in "Data Warehouses".
- These are schema objects which can be use to summaries the data.
- They can not be partitioned.
- Their existence is transparent to SQL applications and users.

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29 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is INCORRECT about "Database Transaction"?

Answer (Please select your correct option)

- It can only end in one way, which is ROLLBACK
- It must preserve the consistency of the database.
- It must follow the ACID properties.
- It is seen by the DBMS as a list of actions.

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Wait-for graph is maintained by _____

Answer (Please select your correct option)

- Lock manager
- Index Manager
- View Manager
- Constraint Manager

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31 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into _____ from disk, and then its value is copied into a program variable.

Answer (Please select your correct option)

- Main Memory
- Flash Memory
- SATA Hard Disk
- Solid State Hard Disk

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32 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

The purpose of _____ is to maintain the Consistency of Database during Concurrent access.

Answer (Please select your correct option)

Outer Join

Inner Join

Clustered Index

Concurrency Control

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33

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

While recovering data, which of the following files does a Recovery Manager examines at first?

Answer (Please select your correct option)

- Clustered Index
- Log file
- Data dictionary
- Metadata

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34 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

A Student has five courses at max registered in a semester and there are many students as well in a course.
Student and Course entities have _____ cardinality.

Answer (Please select your correct option)

One to One

One to Many

Many to One

Many to Many

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35
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BC110401020 (TAYABA ASLAM)

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Data sharing in database avoids

Answer (Please select your correct option)

Data duplication

Data independence

Data Manipulation

Data Integrity

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36 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

At which stage of Database Development Process, the schema rules are defined and identified?

Answer (Please select your correct option)

Mapping of conceptual model to the logical model

Analyzing user requirements

Development of the conceptual model

Development of physical design

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37
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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Attributes on which we don't need to access the unique instances of an entity type is called

Answer (Please select your correct option)

Primary key

Secondary key

Alternate key

Foreign key

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38 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Minimal Super Key can also be named as

Answer (Please select your correct option)

- Candidate key
- Alternate key
- Foreign key
- Secondary key

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39 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statement is NOT true?

Answer (Please select your correct option)

- Any super-type linked entity attributes are also inherited to the subtype entities.
- Relationship between subtype and super-type can be identified by attributes.
- Disjointness constraint defines the existence of a super-type in a subtype entity.
- We never identify relationship of super-type subtype on the basis of general knowledge.

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40 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

With respect to transaction, what ACID stands for?

Answer (Please [click here](#) to Add Answer)

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41

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Below is a statement, analyze by yourself and write down whether it is correct or not? And what is meant by 'Rehashing'?

"Rehashing is better than chaining in term of time. (Rehashing and Chaining are collision resolution techniques in hashing.)"

Answer (Please [click here](#) to Add Answer)

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42

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BC110401020 (TAYYABA ASLAM)

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Give an example of "Data Inconsistency" in File Processing System?

Answer (Please [click here](#) to Add Answer)

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43

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

What is the basic purpose of windows controls? Give two examples of windows control.

Answer (Please [click here](#) to Add Answer)

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44

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

Consider a table named COMPANY with fields COMPANY_NAME, DESCRIPTION, ORDER_NUMBER. Write an SQL statement to display company names in reverse alphabetical order.

Answer (Please [click here](#) to Add Answer)

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45

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.

- In Recovery Procedure, the transactions which have begin and an abort entry are Redone.

Answer ([Please click here to Add Answer](#))

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46

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Create a simple index, named "PersonIndex", on the CNIC field of the PERSON table.

Answer (Please [click here](#) to Add Answer)

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47

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.

0. In "Three Schema Architecture", External schema is responsible for data storage on Hard Disk.

Answer (Please [click here](#) to Add Answer)

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48

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Student-Record (STU_ID, COURSE_ID, SEM_NO, MIDTERM_MARKS, FINALTERM_MARKS)

Write a SQL query on Student-Record table to show STU_ID of each student, who's COURSE_ID, is CS403 OR CS507 OR CS201. (Use IN Operator)

Answer (Please [click here](#) to Add Answer)

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49

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Column 1	Column 2
A - RAID 0	1 - Does not support multiple write operations
B - RAID 1	2 - At least three hard disks required to implement
C - RAID 3	3 - No Fault tolerant
D - RAID 4	4 - Multiple I/O operations not allowed
E - RAID 5	5 - Not desirable when more than two hard disks

Answer ([Please click here to Add Answer](#))

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50

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

D - RAID 4	4 - Multiple I/O operations not allowed
E - RAID 5	5 - Not desirable when more than two hard disks

Match Column 1 and Column 2. You are not required to re-draw the table. Just write numbers from column 1, column 2 and -> sign in between these two numbers.
For example:
F -> 6

Answer (Please [click here](#) to Add Answer)

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50

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Analyze the statements given below and identify each statement as correct or incorrect. Justify your answer in either case.

0. "Durability" ensures that committed changes in the database can be lost due to any failure.
1. Transaction is a dividable unit of work and execution of half transaction must be performed to preserve the data integrity.

Answer (Please [click here](#) to Add Answer)

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51

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Consider the following two columns. The Column A consists of terms related to the ER model and Column B consists of terms used in the relational model.

Column A	Column B
1. Entity Type	A. Primary or Candidate Key
2. Key Attribute	B. Domain
3. Composition Attribute	C. Relation and foreign Key

Answer (Please click here to Add Answer)

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52

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CS403 Database Management Systems

BC110401020 (TAYYABA ASLAM)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

3. Composition Attribute	C. Relation and foreign Key
4. Multi-Valued Attribute	D. Set of simple component attributes
5. Value Set	E. Relation

The terms in Column A have been mapped to Column B so that it corresponds to the mapping process of the ER Model into a Relational model. Map each of the entry in column A to the appropriate entry in column B?

Answer (Please [click here](#) to Add Answer)

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52

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not the responsibility of DBMS

Answer (Please select your correct option)

- Support for Data Communication
- Integrity Services
- Data processing
- Grant of access rights

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

In which of the following situations, Clustering is suitable:

Answer (Please select your correct option)

- Frequently updating
- Relatively static
- Frequently deletion
- Relatively dynamic

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Vertical partitioning is done on the basis of

Answer (Please select your correct option)

Attributes

Rows

Clustering

Replication

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3 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

SQL is an _____ standard computer language

Answer (Please select your correct option)

- ANSI
- General
- Cold fusion
- Interactive

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4 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statements creates a database named COMPANY.

Answer (Please select your correct option)

- CREATE DATABASE COMPANY
- CREATE DB company
- ADD DATABASE copmany
- CREATE company DATABASE

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to access and manipulate data.

Answer (Please select your correct option)

- DDL
- DML
- DCL
- ERD

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6
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not true about relational tables?

Answer (Please select your correct option)

- Values of an attribute are of the same type.
- Primary Key identifies records uniquely.
- Each column must have a unique name.
- The sequence of rows is significant.

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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

If $D \rightarrow E$ and $E \rightarrow F$ then $D \rightarrow F$.
This inference rule is called as _____.

Answer (Please select your correct option)

Transitivity

Additive

Projectivity

Augmentation

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8
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Function does not use input parameter?

Answer (Please select your correct option)

- LOWER
- UPPER
- LEN
- CURRENT_TIME

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MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

“Select * from STUDENT, DEPARTMENT” is an example of

Answer (Please select your correct option)

- Cartesian Join
- Inner Join
- Outer Join
- Full Outer Join

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10
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a DDL Command?

Answer (Please select your correct option)

Create table

Alter table

Insert into

Create database

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11
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following stores the Textual Data?

Answer (Please select your correct option)

- Tinyint
- Smallint
- Biggint
- Varchar

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12
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct syntax for SELECT statement?

Answer (Please select your correct option)

SELECT column_name(s) FROM table_name

SELECT FROM table_name column_name(s)

FROM SELECT column_name(s) table_name

FROM table_name SELECT column_name(s)

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13

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the command to remove a record from the table.

Answer (Please select your correct option)

- DROP
- INSERT
- UPDATE
- DELETE

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14 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of user interface?

Answer (Please select your correct option)

- Graphical User Interface (GUI)
- Forms
- Database Schema
- Text based Interface

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15 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not correct about input forms?

Answer (Please select your correct option)

- Provide an easy, effective, efficient way to enter data into a table
- Especially useful when the person entering the data is not familiar with the inner workings
- Provide different controls to add data into the tables
- One input forms can populate one table at a time

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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is a control that presents a set of choices from which a user can select one or more items; items can be text, graphics, or both.

Answer (Please select your correct option)

- Button
- List box
- Text input
- Report

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17
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

The main memory of a computer system is also known as

Answer (Please select your correct option)

- ROM
- RAM
- PROM
- Hard disk

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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is incorrect regarding Indexes?

Answer (Please select your correct option)

It can not be created on composite attributes.

Index can be defined even when there is no data in the table.

It support Range selections.

It can be created using 'Create Index' statement.

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19
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

CLUSTERED Index is created automatically, when we create _____

Answer (Please select your correct option)

- ERD
- Database
- Cross Reference Matrix
- Primary Key

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20
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is true about the views?

Answer (Please select your correct option)

- View can only show few attributes of a table
- View can not be used for retrieving data
- View can not be used as security mechanisms
- We can customize the order of the table fields through Views

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21
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Command will DROP a view named "STUDENT"

Answer (Please select your correct option)

- DROP VIEW STUDENT
- DROP FROM STUDENT VIEW
- DELETE STUDENT FROM VIEW
- DELETE ALL STUDENT VIEW

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22 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following command shows all the columns from "PRODUCT-VIEW?"

Answer (Please select your correct option)

- SELECT * FROM PRODUCT-VIEW
- SELECT PRODUCT-VIEW
- SHOW ALL PRODUCT-VIEW
- PRODUCT-VIEW SELECT

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23
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ must identify a record in the table, uniquely.

Answer (Please select your correct option)

- Hash Algorithm
- Key
- SQL Statement
- Index

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24
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

To access a file ABC, sequential file access involves too much _____ as compared to direct file access.

Answer (Please select your correct option)

Time, Space and number of files

Number of Files

Space

Time

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25
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

A file with _____ records, with sequential access file, an average of _____ key comparisons are necessary.

Answer (Please select your correct option)

10000, 5500

10000, 5000

10000, 4500

10000, 500

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26
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of following is INCORRECT about "Materialized Views"?

Answer (Please select your correct option)

- These are suitable in "Data Warehouses".
- These are schema objects which can be use to summaries the data.
- They can not be partitioned.
- Their existence is transparent to SQL applications and users.

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27
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not the property of Transaction?

Answer (Please select your correct option)

Atomicity

Consistency

Redundancy

Durability

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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Dead Lock can be prevented by giving each transaction a _____.

Answer (Please select your correct option)

- Priority
- Name
- Clustered Index
- Cartesian Join

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29
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to detect the dead lock.

Answer (Please select your correct option)

- Wait-for graph
- Cross Reference Matrix
- Inner Join
- Clustered Index

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30 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into _____ from disk, and then its value is copied into a program variable.

Answer (Please select your correct option)

Main Memory

Flash Memory

SATA Hard Disk

Solid State Hard Disk

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31
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Locking is maintained by _____

Answer (Please select your correct option)

- End User
- Form Designer
- Lock Manager
- User Interface

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32
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

After execution of "commit" statement, _____ is updated first.

Answer (Please select your correct option)

Database Buffer

Clustered-Index

Non-Clustered Index

Application Program

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33
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following feature provides more data reliability in a DBMS?

Answer (Please select your correct option)

Data Sharing

Controlled redundancy

Better Data Integrity

Concurrency

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34 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

Attributes that jointly make a composite attribute are called _____ of that attribute.

Answer (Please select your correct option)

- Entity
- Instance
- Domain
- Components

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35 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

How we CANNOT determine the cardinalities of a system?

Answer (Please select your correct option)

By interviewing the Users

Through analysis of the Organization

Using the system requirements

Creating by ourselves

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36
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

As a general rule, which external entity of DFD cannot appear as an entity type in ERD?

Answer (Please select your correct option)

- An entity with many instances
- A super-type entity
- A subtype entity
- An entity type for which instance is single

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37
MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is true about foreign key?

Answer (Please select your correct option)

- Foreign key should not be from the same domain as is the primary key
- Foreign key and Primary key names must be same
- There can be only ONE foreign key in a table/relation
- Home relation of foreign key attribute is the one, which is present as primary in another relation

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38 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

In which type of relationship, PK of the same Entity type can be used as FK?

Answer (Please select your correct option)

One-to-many

One-to-one

Many-to-many

Recursive

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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following operation allows certain selections and Cartesian product into one operation?

Answer (Please select your correct option)

- Join
- Select
- Project
- Union

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40

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Discuss the situation in which we use GROUP BY clause ?

Answer (Please [click here](#) to Add Answer)

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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41

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

What are the two ways to create a new view in the database?

Answer (Please [click here](#) to Add Answer)

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42

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Discuss any two situations of Concurrent Access of data?

Answer (Please [click here](#) to Add Answer)

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43

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Why we use Cross Reference Matrix?

Answer (Please [click here](#) to Add Answer)

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44

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
SELECT * FROM Persons
WHERE FirstName LIKE '%a';
What does the above statement return?
```

Answer (Please [click here](#) to Add Answer)

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45

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Suppose, we have an ERD having two entities, Voter and Ballot paper. There is one to one relationship between these two entities.

Voter Entity has attributes as;

Voter-CNIC, Voter-name

Ballot Paper Entity has attributes as;

Answer (Please [click here](#) to Add Answer)

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46

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Ballot Paper Entity has attributes as;
Paper-id, Paper-type

Paper-id = Ballot Paper Serial Number
Paper-type = Vote is conducted for Provincial or National Assembly

Answer (Please [click here](#) to Add Answer)

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46

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.
"Usually, we prefer direct access over sequential access of files."

Answer (Please [click here](#) to Add Answer)

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47

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Give an Example of Dead Lock.

Answer (Please [click here](#) to Add Answer)

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48

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Analyze the below query and find out why it will not work? Also correct the error(s).

```
SELECT * FROM customer WHERE Year>'2004';
```

Answer (Please [click here](#) to Add Answer)

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49

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Create a view named STUDENT-LIST on CUSTOMER table to show only CST-ID in ascending order of those customers, who belongs to GUJRANWALA city

CUSTOMER (CST-ID, CST-NAME, CITY)

Answer (Please [click here](#) to Add Answer)

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50

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

If we have two tables Table 1 and Table 2. Table 1 and Table 2 have same attributes and same records in them. Consider, we have 20 indexes on Table 1 and 14 indexes on Table 2. In Index Sequential File, we want to perform three operations (Insertion, Updation and Searching) on values in both tables. Keeping in mind, the scenario above; analyze the statements given below and identify as correct or incorrect.

A – Time to insert value in Table 1 is greater than in Table 2.

Answer (Please [click here](#) to Add Answer)

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51

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Proposed Table, we want to perform three operations (insertion, updation and searching) on values in both tables. Assuming in table, the scenario above, analyze the statements given below and identify as correct or incorrect.

- A - Time to insert value in Table 1 is greater than in Table 2.
- B - Time to update value in Table 2 is greater than in Table 1.
- C - Time to retrieve data from Table 1 is less than Table 2.

Answer (Please [click here](#) to Add Answer)

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51

MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Map each option of Column1 with appropriate option in Column2

Column 1	Column 2
1: Strong entity	A: Successful candidate key

Answer (Please [click here](#) to Add Answer)

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52

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

2: Primary key	B: May or may not return unique instance
2: Secondary key	C: Dependent existence
3: Weak entity	D: Independent existence

Answer (Please [click here](#) to Add Answer)

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52

MADE BY WAQAR SIDDHU

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify the incorrect statement among the given.

Answer (Please select your correct option)

An entity may be an object with a physical existence like a car.

Age can be considered as a single value attribute of a person.

The attribute Date_of_birth can be considered as a derived attribute.

Skill is a multivalued attribute.

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1



MADE BY WAQAR SIDDHU

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is a feature of FOREIGN KEY constraint?

Answer (Please select your correct option)

- used to enforce referential integrity.
- limit the no of values that can be placed in a column.
- enforces that the column will not accept null values.
- enforces the uniqueness of the values in a set of columns.

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2



MADE BY WAQAR SIDDHU

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

“Database System” is the combination of _____.

Answer (Please select your correct option)

- Database and DBMS
- Database and Data
- Data and Information
- Operating System and Database

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3



MADE BY WAQAR SIDDHU

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

On magnetic media, data is stored in _____

Answer (Please select your correct option)

- Text
- Images
- Binary format
- Tables

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4



MADE BY WAQAR SIDDHU

Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following types of partitioning reduces the chances of unbalanced partitions?

Answer (Please select your correct option)

- Vertical
- List
- Hash
- Range

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5



MADE BY WAQAR SIDDHU

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Vertical partitioning is done on the basis of

Answer (Please select your correct option)

- Attributes
- Rows
- Clustering
- Replication

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6



MADE BY WAQAR SIDDHU

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is a correct way of selecting all the columns from a table called PERSONS?

Answer (Please select your correct option)

SELECT FROM * Persons

SELECT * FROM Persons

SELECT * WHERE Persons

SELECT WHERE * Persons

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7



MADE BY WAQAR SIDDHU

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statements creates a database named COMPANY.

Answer (Please select your correct option)

- CREATE DATABASE COMPANY
- CREATE DB company
- ADD DATABASE copmany
- CREATE company DATABASE

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8



MADE BY WAQAR SIDDHU

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is one of the purposes of using DML commands?

Answer (Please select your correct option)

Creating databases

Destroying databases

Inserting data in tables

Create table

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9



MADE BY WAQAR SIDDHU

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to access and manipulate data.

Answer (Please select your correct option)

DDL

DML

DCL

ERD

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10



MADE BY WAQAR SIDDHU

Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following gives all the fields from employee table named as EMP?

Answer (Please select your correct option)

- select * from EMP
- select emp* from EMP
- select emp_id where EMP
- select * where EMP

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11



MADE BY WAQAR SIDDHU

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Consider two sets A and B. A contains 2 elements and B contains 3. How many elements do their Cartesian product contains?

Answer (Please select your correct option)

- 6
- 9
- 4
- 5

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12



MADE BY WAQAR SIDDHU

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not an operation of relational algebra.

Answer (Please select your correct option)

- Addition
- Union
- Cartesian Product
- Set Difference

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13



MADE BY WAQAR SIDDHU

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Partitions may become unbalanced in:

Answer (Please select your correct option)

Range partitioning

Hash partitioning

List partitioning

Vertical partitioning

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14



MADE BY WAQAR SIDDHU

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to sort the result set in ascending or descending order

Answer (Please select your correct option)

- Group by Clause
- From Clause
- Where Clause
- Order by Clause

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15



MADE BY WAQAR SIDDHU

Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

“Select * from STUDENT, DEPARTMENT” is an example of

Answer (Please select your correct option)

- Cartesian Join
- Inner Join
- Outer Join
- Full Outer Join

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16



MADE BY WAQAR SIDDHU

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following specifies the tables, which we access in the query?

Answer (Please select your correct option)

- SELECT Clause
- FROM Clause
- WHERE Clause
- ORDER BY Clause

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MADE BY WAQAR SIDDHU

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose there are 5 rows and 4 columns in TABLE1 and 6 rows and 7 columns in TABLE2; what is the size of the Cartesian product incase of CROSS JOIN between these two tables?

Answer (Please select your correct option)

30

35

24

28

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18



MADE BY WAQAR SIDDHU

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of user interface?

Answer (Please select your correct option)

- Graphical User Interface (GUI)
- Forms
- Database Schema
- Text based Interface

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19



MADE BY WAQAR SIDDHU

Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is a control that users click to perform an action.

Answer (Please select your correct option)

- Button
- Text box
- Input form
- Report

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20



MADE BY WAQAR SIDDHU

Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

The main memory of a computer system is also known as

Answer (Please select your correct option)

- ROM
- RAM
- PROM
- Hard disk

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21



MADE BY WAQAR SIDDHU

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not a form of optical disk.

Answer (Please select your correct option)

- CD ROM
- DVD ROM
- Erasable Optical Media
- EEPROM

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22



MADE BY WAQAR SIDDHU

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is an example of volatile memory.

Answer (Please select your correct option)

- RAM
- ROM
- Flash memory
- CPU

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23



MADE BY WAQAR SIDDHU

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is not a feature of hash access.

Answer (Please select your correct option)

- indexes to search or maintain
- Very fast direct access
- Inefficient sequential access
- Use when direct access is needed, but sequential access is not

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MADE BY WAQAR SIDDHU

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is disadvantage of chaining technique to handle the collisions.

Answer (Please select your correct option)

- Unlimited Number of elements
- Fast re-hashing
- Overhead of multiple linked lists
- Maximum number of elements must be known

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25



MADE BY WAQAR SIDDHU

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT a part of Deadlock Resolution?

Answer (Please select your correct option)

- Choose a victim
- A message is passed to the victim and depending on the system the transaction may or may not be started again automatically.
- Picking a list of all previously completed transactions and undoing all the updates.
- Rollback 'victim' transaction and restart it.

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26



MADE BY WAQAR SIDDHU

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A Table can have _____ clustered index (es).

Answer (Please select your correct option)

Only one

Only two

More than two

Only three

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27



MADE BY WAQAR SIDDHU

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

CLUSTERED Index is created automatically, when we create _____

Answer (Please select your correct option)

Database

Cross Reference Matrix

Primary Key

ERD

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28



MADE BY WAQAR SIDDHU

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT CORRECT Regarding VIEWS?

Answer (Please select your correct option)

VIEWS can be used to interact with the database.

Through VIEWS users can focus on their interested data.

VIEW can show one or more records from a database.

VIEW cannot be updated

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29



MADE BY WAQAR SIDDHU

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of VIEWS?

Answer (Please select your correct option)

Materialized View

Simple Views

Complex View

Cross Reference View

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30



MADE BY WAQAR SIDDHU

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following command shows all the columns from "PRODUCT-VIEW?"

Answer (Please select your correct option)

- SELECT * FROM PRODUCT-VIEW
- SELECT PRODUCT-VIEW
- SHOW ALL PRODUCT-VIEW
- PRODUCT-VIEW SELECT

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31



MADE BY WAQAR SIDDHU

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a feature of "Database Transaction"?

Answer (Please select your correct option)

- Users should be able to regard the execution of each transaction as atomic.
- It must follow the ACID properties.
- Either all actions of a Transaction are carried out or none are.
- Transaction always affects the every other concurrent transaction.

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32



MADE BY WAQAR SIDDHU

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

Dead Lock can be prevented by giving each transaction a _____.

Answer (Please select your correct option)

- Name
- Clustered Index
- Cartesian Join
- Priority

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33



MADE BY WAQAR SIDDHU

Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is used to detect the dead lock.

Answer (Please select your correct option)

- Wait-for graph
- Cross Reference Matrix
- Inner Join
- Clustered Index

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34



MADE BY WAQAR SIDDHU

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into _____ from disk, and then its value is copied into a program variable.

Answer (Please select your correct option)

- Main Memory
- Flash Memory
- SATA Hard Disk
- Solid State Hard Disk

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35



MADE BY WAQAR SIDDHU

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Locking is maintained by _____

Answer (Please select your correct option)

- End User
- Form Designer
- Lock Manager
- User Interface

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36



MADE BY WAQAR SIDDHU

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

A relation (from the relational database model) consists of a set of tuples, which implies that

Answer (Please select your correct option)

- it supports multi-valued attributes whose values can be represented in sets.
- for any two tuples, the values associated with all of their attributes may be the same.
- for any two tuples, the values associated with one or more of their attributes must differ.
- all tuples in a particular relation may have different attributes.

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37



MADE BY WAQAR SIDDHU

Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

If $A \rightarrow B$ then $AC \rightarrow BC$.
This inference rule is called as _____.

Answer (Please select your correct option)

- Reflexivity
- Transitivity
- Augmentation
- Addition

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MADE BY WAQAR SIDDHU

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following tells us that the link between two relations is compulsory or optional?

Answer (Please select your correct option)

- Minimum Cardinality
- Maximum Cardinality
- Existence Dependency
- Referential Dependency

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MADE BY WAQAR SIDDHU

Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

How super type properties can be transferred in sub types automatically?

Answer (Please select your correct option)

- Inheritance
- Abstraction
- Encapsulation
- Through DFD

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MADE BY WAQAR SIDDHU

Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Discuss the purpose of OR operator in SQL Command?

Answer ([Please click here to Add Answer](#))

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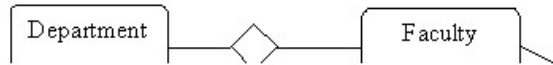


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Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

Part of ER diagram for "University System" is given below. Mention Dependency exists between entities from the list provided.
(Dependencies: Existence, Identifier, Referential)



Answer (Please [click here](#) to Add Answer)

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Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Analyze the statement given below as correct or incorrect. If incorrect, rephrase the statement into correct.

“Ideally in hashing, distribution of Keys to memory addresses is uniform and random.”

Answer (Please [click here](#) to Add Answer)

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43

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Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

How Deadlock occurs?

Answer (Please [click here](#) to Add Answer)

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44

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MADE BY WAQAR SIDDHU

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

STUDENT table is given below, Write a SQL query to get all student names along with father names and address, which belongs to Lahore city.

STUDENT (stu_id, stu_name, father_name, address, city, phone_no)

Answer (Please [click here](#) to Add Answer)

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MADE BY WAQAR SIDDHU

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.

- We can define as many Clustered Indexes as we want on a single table.

Answer ([Please click here to Add Answer](#))

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Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.

- In Recovery Procedure, the transactions ended before the checkpoint are Redone.

Answer ([Please click here to Add Answer](#))

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MADE BY WAQAR SIDDHU

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

Convert the following relation into one normal form ahead . (For example: if relation is in 2nd normal form, convert it into 3rd normal form.)

Employee

Employee-ID	Name	Dept-Name	Salary	Skill
1	ABC	Accounts	25000	Skill A Skill B

Answer (Please [click here](#) to Add Answer)

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48

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MADE BY WAQAR SIDDHU

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Student-Record (STU_ID, COURSE_ID, SEM_NO, MIDTERM_MARKS, FINALTERM_MARKS)

Write a SQL query on Student-Record table to show STU_ID of each student, who's COURSE_ID, is CS403 OR CS507 OR CS201. (Use IN Operator)

Answer (Please [click here](#) to Add Answer)

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49

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MADE BY WAQAR SIDDHU

Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

Draw a basic ERD from the list of requirements provided below.

- a- There are three entities involved in a system, which are as under;
 - i- Product

Answer ([Please click here to Add Answer](#))

Normal Arial 12 B I U

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50



MADE BY WAQAR SIDDHU

Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

Analyze the statements given below and identify each statement as correct or incorrect. Justify your answer in either case.

- 0. "Durability" ensures that committed changes in the database can be lost due to any failure.
- 1. Transaction is a dividable unit of work and execution of half transaction must be performed to preserve the data integrity.

Answer (Please [click here](#) to Add Answer)

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51

Navigation icons: Information, Previous, Home, Next, Print

MADE BY WAQAR SIDDHU

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

DOCTOR (D-ID, D-PHONE)
MEDICINE (M-CODE, Description)

- 1 - Create unique index on table DOCTOR on field D_ID
- 2 - Create unique index on table MEDICINE on composite attributes M_CODE and Description

Answer ([Please click here to Add Answer](#))

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52

Navigation icons: Information, Previous, Home, Next, Print

MADE BY WAQAR SIDDHU

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not the component of Relational Data Model?

Answer (Please select your correct option)

- Integrity Constraint
- Manipulation Language
- Relation / Table
- Domain Constraint

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1



MADE BY WAQAR SIDDHU

Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is used to manage the Database and its Users.

Answer (Please select your correct option)

- DBMS
- File Processing System
- DFD
- Cross Reference Matrix

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2



MADE BY WAQAR SIDDHU

Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Vertical partitioning is done on the basis of

Answer (Please select your correct option)

- Attributes
- Rows
- Clustering
- Replication

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3



MADE BY WAQAR SIDDHU

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

SQL is an _____ standard computer language

Answer (Please select your correct option)

- ANSI
- General
- Cold fusion
- Interactive

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4



MADE BY WAQAR SIDDHU

Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following statements creates a database named COMPANY.

Answer (Please select your correct option)

- CREATE DATABASE COMPANY
- CREATE DB company
- ADD DATABASE copmany
- CREATE company DATABASE

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5



MADE BY WAQAR SIDDHU

Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is one of the purposes of using DML commands?

Answer (Please select your correct option)

- Creating databases
- Destroying databases
- Inserting data in tables
- Create table

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6



MADE BY WAQAR SIDDHU

Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is used to create and destroy database and database objects

Answer (Please select your correct option)

- ERD
- DCL
- DDL
- DML

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7



MADE BY WAQAR SIDDHU

Question No : 8 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following gives all the fields from employee table named as EMP?

Answer (Please select your correct option)

- select * from EMP
- select emp* from EMP
- select emp_id where EMP
- select * where EMP

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8



MADE BY WAQAR SIDDHU

Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

If in a relation R, all non key attributes are fully functionally dependent on key attributes. The relation R is in _____.

Answer (Please select your correct option)

- 2NF
- 3NF
- BCNF
- Higher NF

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9



MADE BY WAQAR SIDDHU

Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Function does not use input parameter?

Answer (Please select your correct option)

- LOWER
- UPPER
- LEN
- CURRENT_TIME

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10



MADE BY WAQAR SIDDHU

Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

“Select * from STUDENT, DEPARTMENT” is an example of

Answer (Please select your correct option)

- Cartesian Join
- Inner Join
- Outer Join
- Full Outer Join

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11



MADE BY WAQAR SIDDHU

Question No : 12 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a DDL Command?

Answer (Please select your correct option)

- Create table
- Alter table
- Insert into
- Create database

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12



MADE BY WAQAR SIDDHU

Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following commands is used to TRUNCATE the table named STUDENT?

Answer (Please select your correct option)

- TRUNCATE TABLE STUDENT
- TABLE TRUNCATE STUDENT
- TABLE STUDENT TRUNCATE
- STUDENT TABLE TRUNCATE

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MADE BY WAQAR SIDDHU

Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct syntax for SELECT statement?

Answer (Please select your correct option)

- SELECT column_name(s) FROM table_name
- SELECT FROM table_name column_name(s)
- FROM SELECT column_name(s) table_name
- FROM table_name SELECT column_name(s)

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Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

If a relation contains single Key, the relation is automatically in _____.

Answer (Please select your correct option)

- 1NF
- 2NF
- 3NF
- 4NF

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MADE BY WAQAR SIDDHU

Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

The following sentence is incorrect about sub-query.

Answer (Please select your correct option)

- A sub query must be enclosed in the parenthesis.
- A sub query must be put in the left hand of the comparison operator.
- A sub query cannot contain ORDER-BY clause.
- A query can contain more than one sub queries.

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Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

Suppose there are 7 rows and 6 columns in TABLE1 and 5 rows and 3 columns in TABLE2; what is the size of the Cartesian product incase of CROSS JOIN between these two tables?

Answer (Please select your correct option)

- 35
- 21
- 30
- 18

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17



MADE BY WAQAR SIDDHU

Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is a control that users click to perform an action.

Answer (Please select your correct option)

- Button
- Text box
- Input form
- Report

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18



MADE BY WAQAR SIDDHU

Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

The main memory of a computer system is also known as

Answer (Please select your correct option)

- ROM
- RAM
- PROM
- Hard disk

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19



MADE BY WAQAR SIDDHU

Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is an example of non-volatile memory.

Answer (Please select your correct option)

- SRAM
- Cache Memory
- Flash memory
- DRAM

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20



MADE BY WAQAR SIDDHU

Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ records data by burning microscopic holes in the surface of the disk with a laser.

Answer (Please select your correct option)

- Hard disk
- RAM
- Optical disk
- Floppy disk

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Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is not a feature of hash access.

Answer (Please select your correct option)

- indexes to search or maintain
- Very fast direct access
- Inefficient sequential access
- Use when direct access is needed, but sequential access is not

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Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is disadvantage of chaining technique to handle the collisions.

Answer (Please select your correct option)

- Unlimited Number of elements
- Fast re-hashing
- Overhead of multiple linked lists
- Maximum number of elements must be known

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23



MADE BY WAQAR SIDDHU

Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

What is the impact of setting multiple indexes for the same key?

Answer (Please select your correct option)

- Multiple indexes for the same key can not be set
- It increases efficiency
- It decreases efficiency
- It will increase complexity as the access time will be increased

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MADE BY WAQAR SIDDHU

Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct way of removing the Index called branchNoIndex?

Answer (Please select your correct option)

- DROP INDEX branchNoIndex;
- APPEND INDEX branchNoIndex;
- REMOVE INDEX branchNoIndex;
- DEL INDEX branchNoIndex;

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25



MADE BY WAQAR SIDDHU

Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of VIEWS?

Answer (Please select your correct option)

- Materialized View
- Simple Views
- Complex View
- Cross Reference View

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26



MADE BY WAQAR SIDDHU

Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following command shows all the columns from "PRODUCT-VIEW?"

Answer (Please select your correct option)

- SELECT * FROM PRODUCT-VIEW
- SELECT PRODUCT-VIEW
- SHOW ALL PRODUCT-VIEW
- PRODUCT-VIEW SELECT

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MADE BY WAQAR SIDDHU

Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

A perfect hash function map a key to distinct location having search time _____.

Answer (Please select your correct option)

- $O(1)$
- $O(n)$
- $O(n+1)$
- $O(n-1)$

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MADE BY WAQAR SIDDHU

Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a feature of "Database Transaction"?

Answer (Please select your correct option)

- Users should be able to regard the execution of each transaction as atomic.
- It must follow the ACID properties.
- Either all actions of a Transaction are carried out or none are.
- Transaction always affects the every other concurrent transaction.

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MADE BY WAQAR SIDDHU

Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

Dead Lock can be prevented by giving each transaction a _____.

Answer (Please select your correct option)

- Name
- Clustered Index
- Cartesian Join
- Priority

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MADE BY WAQAR SIDDHU

Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is used to detect the dead lock.

Answer (Please select your correct option)

- Wait-for graph
- Cross Reference Matrix
- Inner Join
- Clustered Index

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MADE BY WAQAR SIDDHU

Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

Wait-for graph is maintained by _____

Answer (Please select your correct option)

- Lock manager
- Index Manager
- View Manager
- Constraint Manager

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Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into _____ from disk, and then its value is copied into a program variable.

Answer (Please select your correct option)

- Main Memory
- Flash Memory
- SATA Hard Disk
- Solid State Hard Disk

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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

After execution of "commit" statement, _____ is updated first.

Answer (Please select your correct option)

- Database Buffer
- Clustered-Index
- Non-Clustered Index
- Application Program

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Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

To make a change in Traditional File Processing System was difficult due to

Answer (Please select your correct option)

- Independent program and data
- Program and data interdependence
- Slow system performance
- Lack of computer knowledge

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Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

In DFD, Collector shows the _____ of data to a single point

Answer (Please select your correct option)

- Divergence
- Convergence
- Subtraction
- Separation

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Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

Attributes on which we don't need to access the unique instances of an entity type is called

Answer (Please select your correct option)

- Primary key
- Secondary key
- Alternate key
- Foreign key

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37



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Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

DFD and CRM help to identify the

Answer (Please select your correct option)

- Attribute
- Entity types
- Data Model
- Database

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38



MADE BY WAQAR SIDDHU

Question No : 39 of 52 Marks: 1 (Budgeted Time 1 Min)

A patient can only be an indoor or an outdoor patient, what do you conclude about patient entity from above statement?

Answer (Please select your correct option)

- Complete Disjoint
- Total Completeness
- Partial Disjoint
- Partial overlapping

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Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is true about a relation?

Answer (Please select your correct option)

- We cannot determine the degree of a relation
- A relation is subset of a Cartesian product
- A relation is a three dimensional arrangement
- A relation can only have a limited number of records

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40



MADE BY WAQAR SIDDHU

Question No : 41 of 52 Marks: 2 (Budgeted Time 4 Min)

Discuss the purpose of OR operator in SQL Command?

Answer ([Please click here to Add Answer](#))

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41 | [Info] [Previous] [Next] [Previous] [Next] [Print]

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Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

Write any two similarities between materialized views and indexes?

Answer ([Please click here to Add Answer](#))

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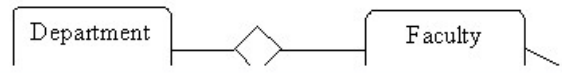
42

Navigation icons: Information (i), Previous (left arrow), Next (right arrow), Previous (left arrow), Next (right arrow), and Print.

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Question No : 43 of 52 Marks: 2 (Budgeted Time 4 Min)

Part of ER diagram for "University System" is given below. Mention Dependency exists between entities from the list provided.
(Dependencies: Existence, Identifier, Referential)



Answer ([Please click here to Add Answer](#))

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43



MADE BY WAQAR SIDDHU

Question No : 44 of 52 Marks: 2 (Budgeted Time 4 Min)

List Down the four important view types.

Answer ([Please click here to Add Answer](#))

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44



MADE BY WAQAR SIDDHU

Question No : 45 of 52 Marks: 3 (Budgeted Time 6 Min)

```
SELECT * FROM Persons  
WHERE FirstName LIKE '%a';  
What does the above statement return?
```

Answer ([Please click here to Add Answer](#))

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MADE BY WAQAR SIDDHU

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Convert the following relation into one normal form ahead. (For example: if relation is in 2nd normal form, convert it into 3rd normal form.)

Student

Student-ID	Student-Name	Father-Name	City	Hobby
------------	--------------	-------------	------	-------

Answer ([Please click here to Add Answer](#))

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46 i [Navigation Icons]

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Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Create a unique index named ' IndexNum' on the 'CustName' column of the table 'Customer'.

Answer ([Please click here to Add Answer](#))

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47 ◀ ▶ ⓘ ⏪ ⏩ ⏴ ⏵

MADE BY WAQAR SIDDHU

Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Student-Record (STU_ID, STU_NAME, SEM_NO, TOTAL_SEM_MARKS)

Write a SQL query on Student-Record table to find the total number of students that have Total marks higher than the average marks in class.

Answer ([Please click here to Add Answer](#))

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49 | [Navigation Icons: Home, Back, Forward, Stop, Print]

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Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

Column 1	Column 2
1 - Log File	A - Direct Access File Organization
2 - Indexed Sequential	B - Double File Access
3 - Index	C - Transaction File
4 - (Index + Data)	D - Unique Key

Answer (Please [click here](#) to Add Answer)

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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50 [Progress Bar] [Info] [Previous] [Next] [Previous] [Next] [Print]

MADE BY WAQAR SIDDHU

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

Analyze the scenario given below and answer the following questions?

- ADNAN is an employee of a University named "virtual university of Pakistan". He joined the IT department of VU in September 10th 2008. Now he has three years experience. He has many hobbies.

0. Identify one simple attribute?

Answer ([Please click here to Add Answer](#))

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51 [Progress Bar] [Info] [Previous] [Next] [Home] [Print]

MADE BY WAQAR SIDDHU

Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

Dead Lock is a serious threat for the concurrent transactions: Shortly explain the approach, which is used to detect the Dead Locks by DBMS.

Answer ([Please click here to Add Answer](#))

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52

Navigation controls including an information icon, back, forward, and search buttons.

MADE BY WAQAR SIDDHU

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

A super key for which no subset is a super key is called _____.

Answer (Please select your correct option)

- candidate key
- primary key
- superkey
- secondary key

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Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

DBMS and Operating System both are examples of _____.

Answer (Please select your correct option)

- Hardware
- Software
- Databases
- File Processing Systems

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2



MADE BY WAQAR SIDDHU

Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Incase of Context Level DFD, the System is represented by

Answer (Please select your correct option)

- At least one Process
- One Process only
- Two Processes
- Three Processes

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3



MADE BY WAQAR SIDDHU

Question No : 4 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is a correct way of selecting all the columns from a table called PERSONS?

Answer (Please select your correct option)

- SELECT FROM * Persons
- SELECT * FROM Persons
- SELECT * WHERE Persons
- SELECT WHERE * Persons

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4

MADE BY WAQAR SIDDHU

Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is one of the purposes of using DDL commands?

Answer (Please select your correct option)

- inserting records into databases
- updating records into databases
- manipulating databases
- creating and destroying databases

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5

MADE BY WAQAR SIDDHU

Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

DML commands are used for:

Answer (Please select your correct option)

- inserting data into databases
- creating databases
- destroying databases
- creating DB objects

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6



MADE BY WAQAR SIDDHU

Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT generally the aim of data partitioning?

Answer (Please select your correct option)

- Speed up rate of useful works
- Reduce workload
- Balance workload
- Merging different relations

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7

MADE BY WAQAR SIDDHU

Question No : 8 of 52 Marks: 1 (Budgeted Time 1 Min)

Hash Partitioning is applied on _____.

Answer (Please select your correct option)

- Rows
- Columns
- Constraints
- Attributes

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MADE BY WAQAR SIDDHU

Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a DDL Command?

Answer (Please select your correct option)

- Create table
- Alter table
- Insert into
- Create database

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Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following commands is used to drop the table named STUDENT?

Answer (Please select your correct option)

- DROP TABLE STUDENT
- TABLE STUDENT DROP
- TABLE DROP STUDENT
- STUDENT TABLE DROP

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10



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Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following commands is used to TRUNCATE the table named STUDENT?

Answer (Please select your correct option)

- TRUNCATE TABLE STUDENT
- TABLE TRUNCATE STUDENT
- TABLE STUDENT TRUNCATE
- STUDENT TABLE TRUNCATE

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11



MADE BY WAQAR SIDDHU

Question No : 12 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct syntax for SELECT statement?

Answer (Please select your correct option)

- SELECT column_name(s) FROM table_name
- SELECT FROM table_name column_name(s)
- FROM SELECT column_name(s) table_name
- FROM table_name SELECT column_name(s)

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12



MADE BY WAQAR SIDDHU

Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

If a relation contains single Key, the relation is automatically in _____.

Answer (Please select your correct option)

- 1NF
- 2NF
- 3NF
- 4NF

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13



MADE BY WAQAR SIDDHU

Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

Procedure of finding the size of Cartesian Product is _____

Answer (Please select your correct option)

- the number of columns in the first table multiplied by the number of columns in the second table.
- the number of columns in the first table multiplied by the number of rows in the second table.
- the number of rows in the first table multiplied by the number of columns in the first table.
- the number of rows in the first table multiplied by the number of rows in the second table.

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14



MADE BY WAQAR SIDDHU

Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT a feature of a good interface?

Answer (Please select your correct option)

- data structure based
- user friendly
- consistency
- process based

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15



MADE BY WAQAR SIDDHU

Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of user interface?

Answer (Please select your correct option)

- Graphical User Interface (GUI)
- Forms
- Database Schema
- Text based Interface

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16



MADE BY WAQAR SIDDHU

Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the activity, which is not performed during the development of application programs?

Answer (Please select your correct option)

- Data input programs
- Editing
- Display
- Data Collection

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17



MADE BY WAQAR SIDDHU

Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is a control that enables users to select one option from an associated list; users can also type an option.

Answer (Please select your correct option)

- Combo box
- Button
- Text box
- Static area

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18



MADE BY WAQAR SIDDHU

Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is an example of non-volatile memory.

Answer (Please select your correct option)

- SRAM
- Cache Memory
- Flash memory
- DRAM

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19



MADE BY WAQAR SIDDHU

Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is an example of volatile memory.

Answer (Please select your correct option)

- RAM
- ROM
- Flash memory
- CPU

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20



MADE BY WAQAR SIDDHU

Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is not a feature of hash access.

Answer (Please select your correct option)

- indexes to search or maintain
- Very fast direct access
- Inefficient sequential access
- Use when direct access is needed, but sequential access is not

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21



MADE BY WAQAR SIDDHU

Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

CLUSTERED Index is created automatically, when we create _____

Answer (Please select your correct option)

- ERD
- Database
- Cross Reference Matrix
- Primary Key

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22



MADE BY WAQAR SIDDHU

Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is true about the views?

Answer (Please select your correct option)

- View can only show few attributes of a table
- View can not be used for retrieving data
- View can not be used as security mechanisms
- We can customize the order of the table fields through Views

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23



MADE BY WAQAR SIDDHU

Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Command will DROP a view named "STUDENT"

Answer (Please select your correct option)

- DROP VIEW STUDENT
- DROP FROM STUDENT VIEW
- DELETE STUDENT FROM VIEW
- DELETE ALL STUDENT VIEW

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24



MADE BY WAQAR SIDDHU

Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT CORRECT Regarding VIEWS?

Answer (Please select your correct option)

- VIEWS can be used to interact with the database.
- Through VIEWS users can focus on their interested data.
- VIEW can show one or more records from a database.
- VIEW cannot be updated

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25



MADE BY WAQAR SIDDHU

Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following Command creates a view named ST-LIST on STUDENT table to show all the columns?

Answer (Please select your correct option)

- CREATE VIEW ST_LIST AS SELECT * FROM STUDENT
- SELECT * FROM STUDENT VIEW ST_LIST
- CREATE ST_LIST VIEW AS STUDENT
- SELECT * FROM STUDENT TO ST_LIST

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26



MADE BY WAQAR SIDDHU

Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of following is INCORRECT about "Materialized Views"?

Answer (Please select your correct option)

- These are suitable in "Data Warehouses".
- These are schema objects which can be use to summaries the data.
- They can not be partitioned.
- Their existence is transparent to SQL applications and users.

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27



MADE BY WAQAR SIDDHU

Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

Dead Lock can be prevented by giving each transaction a _____.

Answer (Please select your correct option)

- Priority
- Name
- Clustered Index
- Cartesian Join

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Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

Wait-for graph is maintained by _____

Answer (Please select your correct option)

- Lock manager
- Index Manager
- View Manager
- Constraint Manager

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MADE BY WAQAR SIDDHU

Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into _____ from disk, and then its value is copied into a program variable.

Answer (Please select your correct option)

- Main Memory
- Flash Memory
- SATA Hard Disk
- Solid State Hard Disk

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30



MADE BY WAQAR SIDDHU

Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

Locking is maintained by _____

Answer (Please select your correct option)

- End User
- Form Designer
- Lock Manager
- User Interface

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31



MADE BY WAQAR SIDDHU

Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

The purpose of _____ is to maintain the Consistency of Database during Concurrent access.

Answer (Please select your correct option)

- Outer Join
- Inner Join
- Clustered Index
- Concurrency Control

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32



MADE BY WAQAR SIDDHU

Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following serves as reference point in the log file?

Answer (Please select your correct option)

- Constraints
- Relations
- Check points
- Relationships

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33



MADE BY WAQAR SIDDHU

Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

To select the range while creating Indexes, the operator that is not used is _____.

Answer (Please select your correct option)

- Equals to (==)
- Less than (<)
- And (&&)
- Between

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34



MADE BY WAQAR SIDDHU

Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

Three Level Schema Architecture allows us to separate the physical representation of data from the

Answer (Please select your correct option)

- System view
- User view
- Database view
- Architecture view

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35



MADE BY WAQAR SIDDHU

Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

Permanent structure of the database is also called

Answer (Please select your correct option)

- Impression of the database
- Extension of the database
- Expansion of the database
- Intension of the database

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36



MADE BY WAQAR SIDDHU

Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

Context DFD is basically the relationship of system with

Answer (Please select your correct option)

- Data Stores
- Processes
- External entities
- Attributes

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37



MADE BY WAQAR SIDDHU

Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

We can apply union operation on relations only if

Answer (Please select your correct option)

- They have the same names
- They do not have same domains of corresponding attributes
- They do not have same number of attributes
- They have same degree

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38



MADE BY WAQAR SIDDHU

Question No : 39 of 52 Marks: 1 (Budgeted Time 1 Min)

In which type of join, rows are joined on the basis of a common attribute?

Answer (Please select your correct option)

- Equi-join
- Theta join
- Left outer join
- Right outer join

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39



MADE BY WAQAR SIDDHU

Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

Purpose of normalization is to

Answer (Please select your correct option)

- Produce redundancy
- Create Insertion problems
- Make maintenance difficult
- Remove all kind of anomalies

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MADE BY WAQAR SIDDHU

Question No : 41 of 52 Marks: 2 (Budgeted Time 4 Min)

Discuss the situation in which we use GROUP BY clause ?

Answer ([Please click here to Add Answer](#))

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MADE BY WAQAR SIDDHU

Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

Write any two benefits of using "VIEWS"?

Answer ([Please click here to Add Answer](#))

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Navigation controls including an information icon, back, forward, and search buttons.

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Question No : 43 of 52 Marks: 2 (Budgeted Time 4 Min)

Below is a statement, analyze by yourself and write down whether it is correct or not? And what is meant by 'Rehashing'?

"Rehashing is better than chaining in term of time. (Rehashing and Chaining are collision resolution techniques in hashing.)"

Answer ([Please click here to Add Answer](#))

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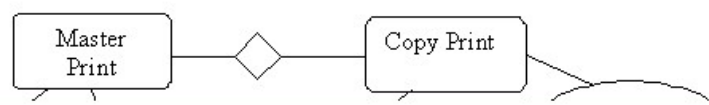
43



MADE BY WAQAR SIDDHU

Question No : 44 of 52 Marks: 2 (Budgeted Time 4 Min)

Part of ER diagram for "Movie Rental System" is given below. Mention Dependency exists between entities from the list provided.
(Dependencies: Existence, Identifier, Referential)



Answer ([Please click here to Add Answer](#))

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44



MADE BY WAQAR SIDDHU

Question No : 45 of 52 Marks: 3 (Budgeted Time 6 Min)

Create a view named "STUDENT-IDs" on STUDENT table which will only show the ST-ID in ascending order

STUDENT (ST-ID, ST-NAME, ST-CLASS)

Answer ([Please click here to Add Answer](#))

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Navigation icons: Information, Previous, Home, Next, Print

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Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case.

During the development of GUI application for a database, we can not use more than one table in one form.

Answer ([Please click here to Add Answer](#))

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MADE BY WAQAR SIDDHU

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Give remarks, the list of collision resolution techniques in hashing in term of Space (If the written hash function is good to avoid collisions). Remarks should be, Good, Average, Worst (One remark may be assigned to more than one technique)

Technique	Remarks
Linear Probing	

Answer ([Please click here to Add Answer](#))

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47 Navigation icons: Home, Previous, Next, Last, Print

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Question No : 48 of 52 Marks: 3 (Budgeted Time 6 Min)

Relation1

Student ID	Name	Address	City
1	ABC	ABC123	Lahore
2	XYZ	XYZ123	Lahore
3	WXY	WXY123	Islamabad
4	DEF	DEF123	Karachi

Answer (Please click here to Add Answer)

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48



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Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

Customer

Customer-ID	Customer-Name	City
1	ABC	Lahore
2	DEF	Islamabad
3	GHI	Lahore
4	JKL	Karachi

Answer ([Please click here to Add Answer](#))

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level.

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MADE BY WAQAR SIDDHU

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

Create a view named "PROFESSOR-LIST" on PROFESSOR table to show the names of those professors who belongs to "LAHORE" CITY and teach "ALGORITHM" Subject

PROFESSOR (ID, NAME, CITY, SUBJECT)

Answer ([Please click here to Add Answer](#))

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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MADE BY WAQAR SIDDHU

Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

STUDENT (STU_ID, STU_NAME, FATHER_NAME, ADDRESS, CITY, PHONE_NO)
PATIENT (P_ID, NAME, ADDRESS, CITY, ZIP, PROVINCE, COUNTRY, DATE_ADMITTED, DATE_DISCHARG, REFERED_BY)
1 - Create unique index on table STUDENT on field STU_ID

Answer (Please click here to Add Answer)

Rich text editor toolbar with icons for Bold, Italic, Underline, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, and a 100% zoom level. The text area below is empty.

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52 | [Info] [Previous] [Next] [Print]

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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

In which of the following situations, Clustering is suitable:

Answer (Please select your correct option)

- Frequently updating
- Relatively static
- Frequently deletion
- Relatively dynamic

Correct Answer solved by hadi
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Vertical partitioning is done on the basis of

Answer (Please select your correct option)

Attributes

Rows

Clustering

Replication

Correct Answer solved by hadi
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3
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

SQL is an _____ standard computer language

Answer (Please select your correct option)

- ANSI
- General
- Cold fusion
- Interactive

Correct Answer solved by hadi
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4 MADE BY WAQAR SIDDHU

CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statements creates a database named COMPANY.

Answer (Please select your correct option)

CREATE DATABASE COMPANY

CREATE DB company

ADD DATABASE copmany

CREATE company DATABASE

Correct Answer solved by hadi
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is used to access and manipulate data.

ok A DML is a language, which enables users to access and manipulate data

Answer (Please select your correct option)

- DDL
- DML
- DCL
- ERD

Correct Answer solved by hadi
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not true about relational tables?

Answer (Please select your correct option)

- Values of an attribute are of the same type.
- Primary Key identifies records uniquely.
- Each column must have a unique name.
- The sequence of rows is significant.

Correct Answer solved by hadi
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

If $D \rightarrow E$ and $E \rightarrow F$ then $D \rightarrow F$.
This inference rule is called as _____.

Answer (Please select your correct option)

ok Additivity or Union:

Transitivity

Additive

Projectivity

Augmentation

Correct Answer solved by hadi
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8
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Function does not use input parameter?

Answer (Please select your correct option)

- LOWER
- UPPER
- LEN
- CURRENT_TIME

cnfrm kar lo String (LOWER, UPPER, SUBSTRING, LEN)

Correct Answer solved by hadi
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CS403 Database Management Systems

BC110401325 (RIZWAN ALI)

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

“Select * from STUDENT, DEPARTMENT” is an example of

Answer (Please select your correct option)

Cartesian Join

dot

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Inner Join

Outer Join

Full Outer Join

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