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.

Start Time: 10:18 PM
119:00

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

Start Time: 10:18 PM
119:00

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

Start Time: 10:18 PM

119:00

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

Start Time: 10:18 PM

119:00

CS403 Database Management Systems   BC110401020 (TAYYABA 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

Start Time: 10:18 PM
119:00

paper.aspx

CS403 Database Management Systems   BC110401020 (TAYYABA 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

Start Time: 10:18 PM
119:00

paper.aspx

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

Start Time: 10:18 PM
119:00

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

Start Time: 10:18 PM
119:00

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 $X, Z \rightarrow Y, W$

Start Time: 10:18 PM
119:00

CS403 Database Management Systems

BC110401020 (TAYYABA 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

Start Time: 10:18 PM
119:00

For Solved Visit VU Answer

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

Start Time: 10:18 PM
119:00

paper.aspx

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?

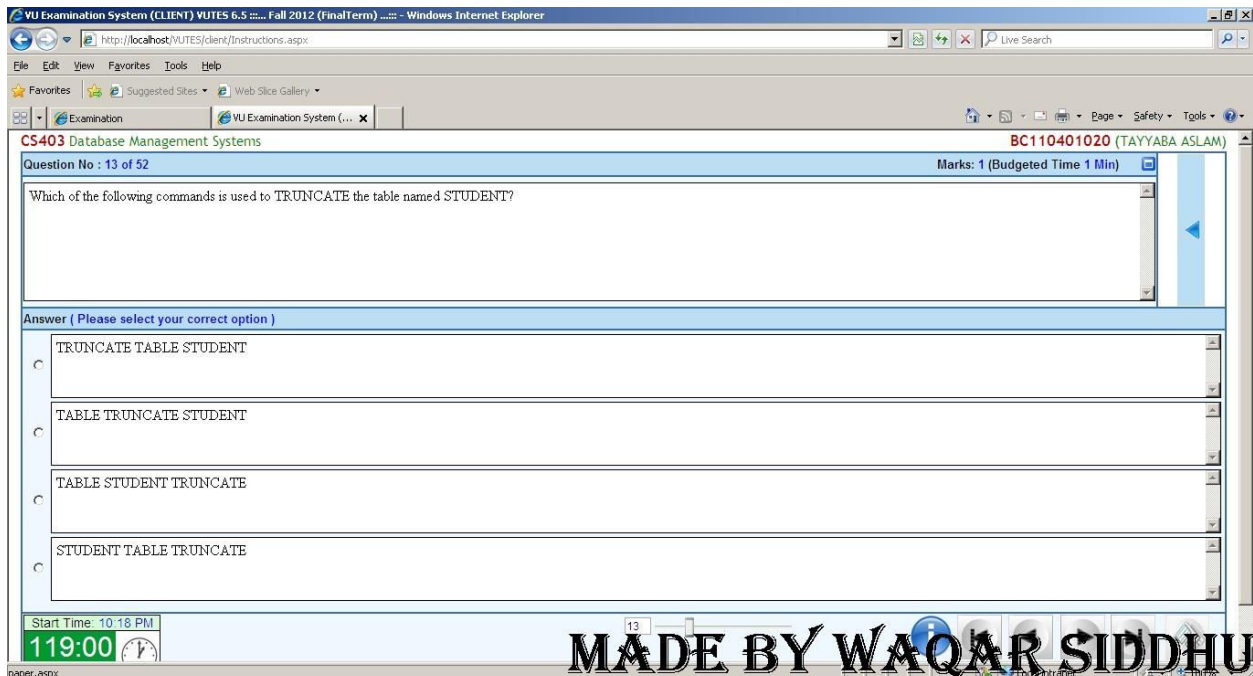Answer (Please select your correct option)

- ○ Tinyint
- ○ Smallint
- ○ Bigint
- ○ Varchar

Start Time: 10:18 PM
119:00

paper.aspx

MADE BY WAQAR SIDDHU

For Solved Visit VU Answer

CS403 Database Management Systems   BC110401020 (TAYYABA ASLAM)

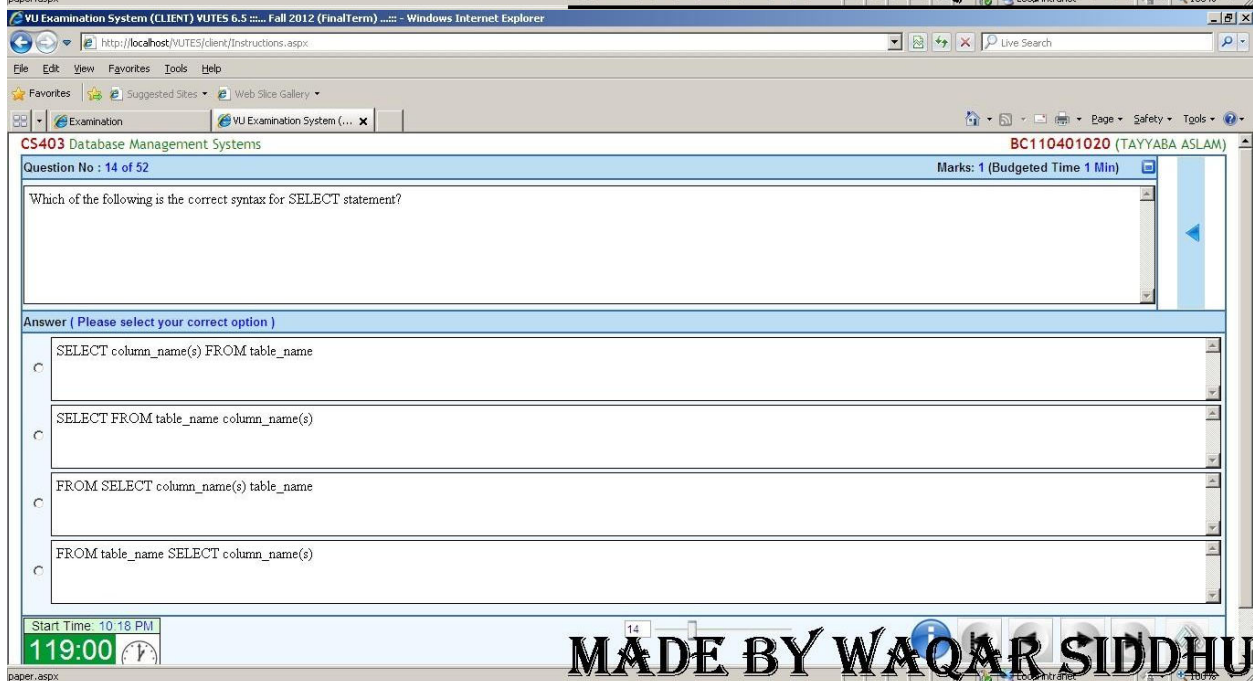Question No : 13 of 52   Marks: 1 (Budgeted Time 1 Min)

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

Start Time: 10:18 PM
119:00

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)

Start Time: 10:18 PM
119:00

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

Start Time: 10:18 PM

119:00

paper.aspx

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

Start Time: 10:18 PM

119:00

paper.aspx

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

Start Time: 10:18 PM

119:00

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

Start Time: 10:18 PM

119:00

CS403 Database Management Systems

BC110401020 (TAYYABA 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

Start Time: 10:18 PM

119:00

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

Start Time: 10:18 PM

119:00

For Solved Visit VU Answer

CS403 Database Management Systems

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

Start Time: 10:18 PM

119:00

CS403 Database Management Systems

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;

Start Time: 10:18 PM

119:00

For Solved Visit VU Answer

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

Start Time: 10:18 PM
119:00

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

Start Time: 10:18 PM
119:00

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

Start Time: 10:18 PM
119:00

CS403 Database Management Systems   BC110401020 (TAYYABA 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

Start Time: 10:18 PM
119:00

CS403 Database Management Systems

BC110401020 (TAYYABA 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

Start Time: 10:18 PM

119:00

paper.aspx

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)

Start Time: 10:18 PM

118:00

paper.aspx

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.

Start Time: 10:18 PM

118:00

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.

Start Time: 10:18 PM

118:00

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

Start Time: 10:18 PM

118:00

paper.aspx

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

Start Time: 10:18 PM

118:00

paper.aspx

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

Start Time: 10:18 PM
118:00

paper.aspx

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

Start Time: 10:18 PM
118:00

paper.aspx

For Solved Visit VU Answer

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

Start Time: 10:18 PM
118:00

CS403 Database Management Systems

BC110401020 (TAYYABA 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

Start Time: 10:18 PM
118:00

For Solved Visit VU Answer

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

Start Time: 10:18 PM
118:00

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

Start Time: 10:18 PM
118:00

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

Start Time: 10:18 PM
118:00

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.

Start Time: 10:18 PM
118:00

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)

Start Time: 10:18 PM
118:00

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)

Start Time: 10:18 PM
118:00

VU Examination System (CLIENT) VUTES 6.5 :::... Fall 2012 (FinalTerm) ...::: - Windows Internet Explorer

http://localhost/VUTES/client/Instructions.aspx

File   Edit   View   Favorites   Tools   Help

Favorites   Suggested Sites   Web Slice Gallery

Examination   VU Examination System (...

CS403 Database Management Systems   **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)

Normal   Arial   12   B I U

Start Time: 10:18 PM
118:00

43

paper.aspx

MADE BY WAQAR SIDDHU

VU Examination System (CLIENT) VUTES 6.5 :::... Fall 2012 (FinalTerm) ...::: - Windows Internet Explorer

http://localhost/VUTES/client/Instructions.aspx

File   Edit   View   Favorites   Tools   Help

Favorites   Suggested Sites   Web Slice Gallery

Examination   VU Examination System (...

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)

Normal   Arial   12   B I U

Start Time: 10:18 PM
118:00

44

paper.aspx

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)

Start Time: 10:18 PM

118:00

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)

Start Time: 10:18 PM

118:00

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

Answer (Please click here to Add Answer)

Start Time: 10:18 PM

118:00

paper.aspx

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)

Start Time: 10:18 PM

118:00

paper.aspx

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)

Start Time: 10:18 PM
118:00

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)

Start Time: 10:18 PM
118:00

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)

Start Time: 10:18 PM
118:00

50

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)

Start Time: 10:18 PM
118:00

51

paper.aspx

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)

Start Time: 10:18 PM

118:00

52

MADE BY WAQAR SIDDHU

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)

Start Time: 10:18 PM

118:00

52

MADE BY WAQAR SIDDHU