


Started on	Wednesday, 6 August 2025, 3:46 PM
State	Finished
Completed on	Wednesday, 6 August 2025, 3:54 PM
Time taken	8 mins 23 secs
Marks	14.00/20.00
Grade	70.00 out of 100.00

Question 1

Complete

Mark 0.00 out of 1.00

 [Flag question](#)


A table without a primary key can still have which of the following?

- ☐ a. Referential integrity
- ☐ b. Composite key
- ☐ c. Candidate key
- ☒ d. Clustered index

Question 2

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

In relational algebra, which operation is not considered a basic operation?

- ☒ a. Difference
- ☐ b. Union
- ☐ c. Selection
- ☐ d. Join

Question 3

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

What does the ACID property 'Consistency' ensure?

- ☐ a. Only one user can access the data
- ☐ b. Transactions are executed in isolation
- ☒ c. Database moves from one valid state to another
- ☐ d. The data is normalized

Question 4

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

What will be the result of a division operation in relational algebra?

?

- ☐ a. Cartesian product
- ☐ b. Intersection of tuples
- ☒ c. Tuples in one relation matching all tuples in another
- ☐ d. Join of attributes

Question 5

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which command is used to remove all rows from a table without logging individual row deletions?

- ☐ a. DROP
- ☐ b. REMOVE
- ☒ c. TRUNCATE
- ☐ d. DELETE

Question 6

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which constraint ensures that a column must have a value?

- ☐ a. UNIQUE
- ☐ b. PRIMARY KEY
- ☒ c. NOT NULL
- ☐ d. FOREIGN KEY

Question 7

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which file contains actual records in a heap-organized table?

- ☐ a. Data dictionary
- ☐ b. Index file
- ☒ c. Data file
- ☐ d. Log file

Question 8

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

Which index type stores a sorted list of values and pointers to rows?

?

- ☐ a. Spatial Index
- ☐ b. Clustered Index
- ☐ c. Full-text Index
- ☒ d. Hash Index

Question 9

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which isolation level allows non-repeatable reads but prevents dirty reads?

- ☒ a. Read Committed
- ☐ b. Serializable
- ☐ c. Read Uncommitted
- ☐ d. Repeatable Read

Question 10

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which JOIN returns all rows from the left table and matched rows from the right?

- ☒ a. LEFT JOIN
- ☐ b. RIGHT JOIN
- ☐ c. INNER JOIN
- ☐ d. CROSS JOIN

Question 11

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which keyword is used to prevent duplicate rows in SQL SELECT results?

- ☐ a. ONLY
- ☐ b. UNIQUE
- ☐ c. FILTER
- ☒ d. DISTINCT

Question 12

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

Which of the following can cause a phantom read?

?

- ☐ a. Non-repeatable read
- ☐ b. Insert by another transaction during a range scan
- ☐ c. Row-level locking
- ☒ d. Dirty read

Question 13

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following ensures atomicity in a DBMS transaction?

- ☐ a. Primary Key
- ☐ b. Check Constraint
- ☐ c. Foreign Key
- ☒ d. Commit and Rollback

Question 14

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following is not allowed in a view?

- ☐ a. WHERE clause
- ☒ b. INSERT with default values
- ☐ c. SELECT from multiple tables
- ☐ d. Aggregations

Question 15

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following is true about a clustered index?

- ☐ a. Can be created only on primary keys
- ☐ b. Can exist multiple times per table
- ☐ c. Does not define the physical order
- ☒ d. Defines the order in which data is physically stored

Question 16

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following normal forms eliminates transitive dependency?

?

- ☐ a. 2NF
- ☒ b. 3NF
- ☐ c. 1NF
- ☐ d. BCNF

Question 17

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

Which of the following operations may violate referential integrity?

- ☐ a. UPDATE
- ☐ b. SELECT
- ☐ c. INSERT
- ☒ d. RENAME

Question 18

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

Which of the following schedules is always serializable?

- ☐ a. Non-recoverable schedule
- ☒ b. View serializable but not conflict serializable
- ☐ c. Cascading rollback schedule
- ☐ d. Conflict serializable

Question 19

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which SQL clause is evaluated first in a SELECT query?

- ☐ a. SELECT
- ☐ b. GROUP BY
- ☐ c. WHERE
- ☒ d. FROM

Question 20

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which SQL keyword is used to extract only those records that satisfy a specified condition?

?

- ☒ a. WHERE
- ☐ b. SELECT
- ☐ c. HAVING
- ☐ d. FROM

[Finish review](#)