

Model Exam (1) For Student (102)

Question	Student Answer	Model Answer
A foreign key (FOREIGN KEY) can have duplicate or NULL values.	True	True
A relational database (RDBMS) can have multiple Non-Clustered Indexes per table.	False	True
A table can have more than one primary key	False	False
ACID stands for Atomicity, Consistency, Isolation, and Durability.	True	True
Data can be recovered after executing TRUNCATE.	True	False
Denormalization improves performance by introducing some data redundancy.	True	True
FULL OUTER JOIN returns only rows with matches in both tables.	False	False
HAVING is used with aggregate functions (SUM, COUNT, AVG), while WHERE filters data before aggregation.	False	True
In NoSQL databases, data is always stored in tables.	False	False

Question	Student Answer	Model Answer
Indexes (Index) speed up search queries but may slow down insert and update operations.	False	True
INNER JOIN returns only matching rows from both tables.	False	True
LEFT JOIN returns all rows from the left table and matching rows from the right table; if no match, it returns NULL.	True	True
Normalization reduces redundancy and improves data integrity.	False	True
Read Uncommitted is the strongest level of isolation.	False	False
Serializable is the highest level of isolation in transactions.	False	True
SQL Injection is a technique to optimize SQL queries.	True	False
Stored procedures (Stored Procedures) are precompiled SQL queries that can be executed for specific tasks.	True	True
The DROP command deletes all data from a table while keeping its structure.	False	False
Transactions (Transactions) ensure that all operations are completed successfully or none at all.	True	True
What is the purpose of a foreign key (FOREIGN KEY) in a database?	To create a temporary backup of data	To enforce a relationship between tables
Which command is used to modify existing records in a database table?	UPDATE	UPDATE
Which JOIN returns only the matching records from both tables?	INNER JOIN	INNER JOIN

Question	Student Answer	Model Answer
Which key uniquely identifies each record in a relational database table?	Candidate Key	Primary Key
Which of the following is a NoSQL database?	MongoDB	MongoDB
Which of the following is NOT an ACID property in databases?	Distribution	Distribution
Which of the following is used to improve the performance of search queries in databases?	Index	Index
Which SQL clause is used to filter results after an aggregation function?	HAVING	HAVING
Which SQL command is used to retrieve data from a database?	SELECT	SELECT
Which SQL function is used to count the number of records in a table?	SUM()	COUNT()
Which SQL keyword is used to group records with the same values?	ORDER BY	GROUP BY
Which SQL statement is used to remove a table completely from a database?	REMOVE	DROP
Which SQL statement is used to remove all records from a table but keep its structure?	DROP	TRUNCATE
Which type of database index changes the physical order of records in a table?	Clustered Index	Clustered Index
Which type of database stores data in tables with predefined relationships?	Relational Database	Relational Database