Topic: Database Fundamentals
Question: What is a primary key in a relational database?
Option A: A key that unlocks the database
Option B: A unique identifier for each record in a table
Option C: The first column in any table
Option D: A key used for encryption
Correct Answer: B
Score: 12
Difficulty: Easy
Grading Criteria: Student must identify that primary key is a unique identifier
Hint: Think about what makes each row unique

Topic: Database Normalization
Question: Which normal form eliminates transitive dependencies?
Option A: Normal Form first(1NF)
Option B: Second Normal Form (2NF)
Option C: Third Normal Form (3NF)
Option D: Fourth Normal Form (4NF)
Correct Answer: B
Score: 20
Difficulty: Medium
Grading Criteria: Student must understand 3NF removes transitive dependencies
Hint: This is the third level of normalization

Topic: SQL Queries
Question: Which SQL clause is used to filter grouped results?
Option A: WHERE
Option B: HAVING
Option C: FILTER
Option D: GROUP BY
Correct Answer: B
Score: 10
Difficulty: Medium
Grading Criteria: Student must differentiate between WHERE and HAVING clauses
Hint: One filters rows before grouping, one filters after grouping