



Department of Computer Science
Database Management Systems I (CS157A) - Final Preview (30 pts)
Time: 90 minutes

Name _____

Grades

Problem 1	6	
Problem 2	6	
Problem 3	6	
Problem 4	6	
Problem 5	6	
Total	30	

Problem 1 – Write SQL statements (6 points) Chapter 6 6.3.6 page 275

Assume a given schema: You will be asked to write a set of SQL statements that will include JOIN and pattern matching operations.

Problem 2 - Write SQL statements (6 points) Chapter 6 6.4.2 page 282

Assume a given 2nd schema: You will be asked to write a set of advanced SQL statements that will include UNION and sub-queries

Problem 3 – Write SQL Constraints (6 points) Chapter 7

Assume a given schema: You will be asked to write a CREATE table statements with constraints on Insert & Update only.

Problem 4 – Write SQL Triggers (6 points) Chapter 7

Assume a given schema: You will be asked to write Triggers. In each case, disallow or undo the modification if it does not satisfy the stated constraint.

Problem 5 – Write Materialized Views (6 points) Chapter 8.5

Given set of base tables and a materialized view that is based on the given base tables. What modifications to the base tables that would require changes to the Materialized View and how do you propagate the changes incrementally to the materialized View?

Instead of