Turn off cell phones, pagers, and anything that makes a noise.

Nothing is allowed on the desk top but the test, pens, pencils, erasers, and drinks.

Do not ask a question in a way that gives away the answer to the test question.

For multiple choice questions, please write your answer on the blank line to the left of the question.

**Multiple Choice Questions (5 points each)**

You can expect 4 – 6 multiple choice questions from the notes posted online.

**CREATE TABLE QUESTIONS**

Consider the following entities. Underlined fields signify a primary key. Italics signify a foreign key. All foreign keys cannot be NULL unless otherwise specified. You may choose the data types, but you must be consistent.

STUDENT(SID, LastName, FirstName, Major, Rank, GPA, AdvisorID)

FACULTY(FID, LastName, FirstName, Rank, DepartmentID)

DEPARTMENT(DID, DeptName, OfficeLocation, ChairID). ChairID can be NULL.

COURSE(CID, Dept, Title, CreditHrs)

SECTION(SectID, CourseID, SectionNumber, Semester, Year, InstructorID)

CLASS(SectID, StudentID, Grade)

7. (10 points) Write a create table SQL statement for the student and faculty tables.
8. (10 points) Write an alter table statement to change the name of Rank column in the STUDENT table to Year.

9. (10 points) Write the SQL code to insert the CS department into the database, me into the database, and you into the database.

10. (10 points) Write the SQL code to find all students with GPAs above 3.0.

11. (10 points) Write the SQL code to find the average of students with above a 3.0 GPA.
12. (10 points) Write SQL code to update all students with 2.0 GPAs to 2.5 GPA.

13. (10 points) Write SQL code to find all those advisors who have more than 10 advisees.