

The University of British Columbia
Computer Science 304

Midterm Examination
June 6, 2011

Time: 50 minutes
Instructor: Rachel Pottinger

Total marks: 30

Name _____ Student No _____
(PRINT) (Last) (First)

Signature _____

This examination has 2 doublesided pages.

Check that you have a complete paper.

This is a closed book, closed notes exam. No books or other material may be used.

Answer all the questions on this paper.

Give very **short but precise** answers.

State any assumptions you make

Work fast and do the easy questions first. Leave some time to review your exam at the end.

Good Luck

Question	Mark	Out of
1.a		5
1.b		5
2.a		5
2.b		5
2.c		5
2.d		5
TOTAL		Out of 30

The schema again:

Student(snum: integer, sname: string, major: string, level: string, age: integer)

Class(name: string, meets at: string, room: string, fid: integer)

Enrolled(snum: integer, cname: string)

Faculty(fid: integer, fname: string, deptid: integer)

2. {20 marks} **SQL Queries. For each query return EXACTLY the following (i.e., remove duplicates from your final answers where they are not explicitly requested, and include no extra columns):**
- List in reverse alphabetical order the names of all students who have **not** taken a class with “Intro” in the title

b. How many classes have an unknown meeting time?

The schema again:

Student(snum: integer, sname: string, major: string, level: string, age: integer)

Class(name: string, meets at: string, room: string, fid: integer)

Enrolled(snum: integer, cname: string)

Faculty(fid: integer, fname: string, deptid: integer)

- c. Find the age of the oldest student who is either a Economics major or enrolled in a course taught by John Williams

- d. Find the names of the students enrolled in the maximum number of classes.