

DM26 Database Systems

Fall 2006

Exam Questions

1. The Entity Relationship Model and Logical Database Design
2. The Relational Model and Relational Algebra
3. Structured Query Language (SQL)
4. Index Structures
5. External Sorting
6. Evaluation of Relational Operators
7. Query Optimization
8. Concurrency Control
9. Crash Recovery
10. Schema Refinement and Normal Forms

The exam takes place on January 3. At IMADA's departmental office, you can find sheets on which you can enter your name in an enumerated number of slots. Write your name in an open slot, this determines which number student on you are on the exam day. You must get this done one week before the examination day.

We expect to take a new student in approximately every half an hour (except for a half hour lunch break). Since some students may decide not to appear, and since the external examiner does not receive any payment for students who do not show up, you must be ready *at least 2 hours before the exam time you signed up for*. If not, you may loose your exam try.

The exam itself is without preparation. Thus, after you draw a topic, the examination starts immediately (you may look at notes for 10 seconds). You have the opportunity of making a presentation of around 15 minutes using the blackboard (you cannot bring your own transparencies). We may ask brief questions during your presentation. Afterwards, we ask questions related to the topic and to the rest of the curriculum. The total examination time will normally be 25 minutes.