

**Computer Engineering Department
Bilkent University**

CS351: Data Organization and Management

Final Exam Study Guide

January 10, 2012

A. Time and Place Information

1. Exam Date: Friday, January 13, 2012; Time: 12:15 – 14:15
2. Place: Last names of the students taking the exam in that room (Proctor)

EB101-For students: Acarlar -- Bellisoy Proctor: Bilge Köroğlu

EB102-For students: Bıçak -- Dikmen Proctor: Bahaeddin Eravcı

EB103-For students: Dinç -- Kalem Proctor: Berkan Ercan

EB104-For students: Kandış -- Mumcu Proctor: Can Telkenaroğlu

EB201-For students: Nazlım -- Şişman Proctor: Çağrı Toraman

EB202-For students: Terzi -- Yücel Proctor: Özge Uyanık

Libero Proctor: Hayrettin Erdem

B. Exam Structure

1. About seven questions.
2. Multi section per question.
3. The exam is comprehensive; the topics covered after the midterm will be emphasized.
4. Closed book-notes. You may bring a calculator, you cannot share calculators.
5. You cannot leave the exam in the first 90 minutes

C. Topics to be tested (an incomplete list)

1. Topics of the midterm exam.
2. Extendible hashing.
3. Tree structured indexes: ISAM, B and B+ trees.
4. Indexing for secondary keys.
5. Database concepts and definitions.
6. E-R and relational model.
7. Relational algebra.