

**Computer Engineering Department
Bilkent University**

**CS533
Fall 2019
Final Exam Study Guide
December 30, 2019**

A. Exam Structure - Time Schedule & Other Information

1. Exam Time & Place: Thursday, January 2, 2020; 15:30 – 17:15; Place: EB-101
2. Mostly problem solving type questions. No. of questions: 7-8 (approx.).
3. Closed everything exam.
4. Exam may involve simple calculations. You may bring a simple calculator. You cannot share calculators and are not allowed to use your cellular phones.

B. Subjects to be included (an incomplete list)

1. No need to memorize the formulas (most of them will be provided: CC and similarity formulas) Inverted files.
2. Clustering concepts.
3. C^3M .
4. Cluster validation: Rand index, Yao's for
5. Data fusion: Reciprocal Rank, Borda Count, Condorcet.
6. Term weighting, TDV concept.
7. PAT and PAT array.
8. MMR: Maximal Marginal Relevance.
9. Signature Files and Signature File Query Processing: Make sure that you study HW4 questions.
10. Information Filtering.
11. In one of the exam questions there will be two questions from your ACM Conference Paper Presentations (about 10%): There were seven groups, from each group I will select one of their questions provided in their handout. You have to answer the question for your presentation and one other presentation. For example, if you are group number 1, you have to answer the question of group number 1 and any one of the other groups (group 2, group 3, ... group 7). As of now (December 30, 2019; 4:46 pm) one handout is missing -not provided by its group-.