CS 275
Exam 1

A. Basic scheme functions: car, cdr, cons, append , lambda, if, cond, let, letrec,etc.
B. Map and Apply
C. Foldr and Foldl
D. Unrestricted lambdas
E. Recursions in flat lists and recursions on structured lists
F. How Lets, Lambdas and Applications are evaluated.

Unlike most CS exams for classes above 150, a lot of the exam will involve coding: Write a Scheme function to do thus and so. You should also be prepared for some conceptual questions: such as What does a lambda expression evaluate to, and why?