Psyc 201 Exam I Review Guide
Fall 2005

This exam covers chapter 1, 2, & 4 of the Cosbey book and chapters 1 & 2 from Schacht & Aspelmeier.
Be sure you are familiar with the following:

1. Accuracy vs. Precision
2. Be familiar with symbols for Population Size, Sample size, Sample Mean, Pop Mean, Sample Standard Deviation, Population Standard Deviation, Population Variance, and Sample variance.
3. Correlation and Causation - how are they related.
4. Discrete vs. Continuous data
5. Empricism
6. Folk Wisdom, Authority, and A Priori ways of knowing vs. the scientific method.
7. Goals of science
8. History of Statistics
9. Independent vs. Dependent Variables
10. Inferential vs Descriptive functions Statistics & Parameters
11. Internal Validity, External Validity, and Construct Validity
12. Intervening variables
13. Know the rules of algebraic order and how to apply them.
14. Know the main features of Experiments, Qusasi-experiments, surveys, and observational methods. How do they relate to the issues of internal and external validity
15. NOIR - Nominal, Ordinal, Interval, Ratio - and be able to ID examples of each.
16. Populations, Parameters, Samples, Statistics
17. PsycINFO - be sure you understand the distinctions between different types of searches and what they return. Also, be sure you understand the distinctions between different combined search strategies (And, Or, and Not) and what they return.
18. Random Assignment
19. Reliability & Validity
20. Representativeness, Random Sampling, Stratified random sampling
21. SPSS- there will be multiple choice questions and a lab section for SPSS. Everything you covered in lab will be fair game
22. Summation Notation - be familiar with the rules e.g. the squared sum of X does not equal the sum of X squared.
23. Summation Notation: if it was on the homework it is on the test. Practice, practice, practice. If you want more practice exercises with the answers let me know.
24. The components of the Scientific Method
25. Theories, functions of theories and the characteristics of good theories.