(1) **CONCEPTS**

**SUBJECT:**
- NP Completeness (P, NP, co-NP, NP-completeness, NP-hardness, polynomial-time reducibility, reductions, etc.)
- Approximation Algorithms (Greedy Algorithms, Approximation Ratio)
- Exponential Time Algorithms (Backtracking, Branch-and-Bound)

**TESTING METHOD:**
True/False Questions, Short Answers

(2) **KNOWN REDUCTIONS**

**SUBJECT:**
Understanding of all reductions studied (in class or in assignments)

**TESTING METHOD:**
I give you an instance of a problem, you apply the reduction algorithm studied.