

COMP 5660/6660 Fall 2025 Assignment 1c Quiz Key

This is a closed-book, closed-notes, two-question multiple-choice quiz. You have exactly 5 minutes to complete it. Good luck!

1. Which one of the following metrics do we ask you to perform statistical analysis on in Assignment 1c?
 - (a) Proportion of valid solutions
 - (b) Best penalized fitness
 - (c) **Best base fitness**
 - (d) Number of violations
 - (e) None of the above
2. Fitness values from Assignment 1b and Assignment 1c cannot be compared because of which one of the following reasons:
 - (a) Fitness in 1c is scaled according to the number of constraints.
 - (b) Fitness in 1b can be negative, while fitness in 1c cannot.
 - (c) Fitness in 1c is decremented by the minimum fitness times the number of constraint violations.
 - (d) **Fitness in 1c is decremented by the number of constraint violations times the penalty coefficient.**
 - (e) None of the above