

COMP 5660/6660 Fall 2025 Assignment 1b Quiz Key

This is a closed-book, closed-notes, two-question multiple-choice quiz. You have exactly 3 minutes to complete it. Good luck!

1. Which of the following is true when evaluating solutions in Assignment 1b?
 - (a) You should evaluate the entire population every generation
 - (b) **Each solution should only be evaluated a single time**
 - (c) You should only evaluate valid solutions
 - (d) Children should only be evaluated after they have gone through survival selection
 - (e) None of the above
2. While generating children in Assignment 1b, after you have collected a mating pool (referred to as the parent pool in the Jupyter notebook), how do you pair up parents for reproduction?
 - (a) Apply a parent selection algorithm to the mating pool
 - (b) Randomly sample with replacement from the mating pool
 - (c) **Iterate over the mating pool to get pairs of parents**
 - (d) Repeatedly pick the best two parents still in the mating pool
 - (e) None of the above