1. (1 point each) Twelve True/False questions on hashing, heaps, sorting algorithms, and disjoint sets.

2. (6 points each) Three hash function application problems.

3. (6 points each) Three hash function analysis questions.

4. (2 points each) Two heap insertion problems.

5. (2 points each) Two heap removal problems.

6. (6 points) One leftist heap merging problem.

7. (6 points each) Three sorting algorithm comparison questions.


10. (5 points) One disjoint set problem involving multiple Union operations.

11. (5 points) One problem generating a disjoint set’s forest representation from its array representation.